

# Converting Colors

XYZ(82.7924, 86.2310, 95.8318)

Have a look what the booklet for  
XYZ(82.7924, 86.2310, 95.8318)  
contains.

<b>XYZ(82.7273, 86.2007, 95.4973)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# **Color**

**XYZ(82.7273, 86.2007,  
95.4973)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1EEF1
RGB	241, 238, 241
RGB Percent	95%, 93%, 95%
CMY	0.0549, 0.0666, 0.0549
CMYK	0.00, 0.01, 0.00, 0.05
HSL	300°, 10%, 94%
HSV	300°, 1%, 95%
XYZ	82.7273, 86.2007, 95.4973
YIQ	239.2390, 0.8250, 1.5690

# Conversions

## Conversions Part 2

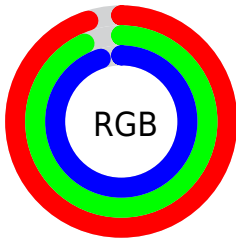
Format	Color
R <sub>Y</sub> B	241, 238, 241
Decimal	15855345
CIE Lab	94.40, 1.54, -1.10
CIE LCh	94, 1.891, 324.352
Yxy	86.2007, 0.3129, 0.3260
Android (android.graphics.Color)	4294045425 (0xFFFF1EEF1)
YUV	239.2390, 0.8682, 1.5444
Hunter-Lab	92.8443, -3.4283, 4.0069

# Details

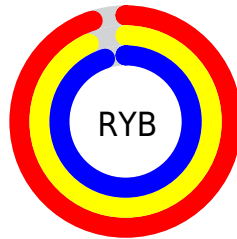
The XYZ color **82.7273, 86.2007, 95.4973** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.1511, 87.2631, 93.4070**, and the grayscale version is **82.2253, 86.5074, 94.2066**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.4925, 47.2730, 52.6258** is the 20% darker color. If you saturate the color by 10%, you get **76.1756, 73.0970, 93.3146**, and if you desaturate by 10%, it is **87.9142, 96.5723, 97.2271**.

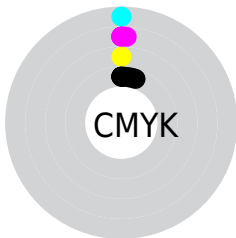
# Distribution



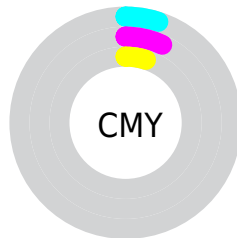
- Red (95%)
- Green (93%)
- Blue (95%)



- Red (95%)
- Yellow (93%)
- Blue (95%)



- Cyan (0%)
- Magenta (1%)
- Yellow (0%)
- Black (5%)



- Cyan (5%)
- Magenta (7%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.7273, 86.2007, 95.4973 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 82.7273, 86.2007, 95.4973 by changing the saturation by 10% instead.



82.7273, 86.2007,  
95.4973

82.7273, 86.2007,  
95.4973

492.6749,  
515.5928, 566.7808

62.2814, 64.8339,  
71.9498

136.1240,  
142.0495, 156.9529

45.5165, 47.3264,  
52.6311

169.8054,  
177.3004, 195.6982

32.0675, 33.2938,  
37.1226

208.6294,  
217.9481, 240.3463

21.5689, 22.3516,  
25.0059

252.9613,  
264.3770, 291.3160

13.6553, 14.1155,  
15.8624

303.1664,  
316.9715, 349.0258

7.9614, 8.2010,  
9.2735

359.6102,

4.1218, 4.2239,

376.1161, 413.8941

4.8208

422.6579,  
442.1950, 486.3396

■ 1.7713, 1.7996,  
2.0856

■ 0.5003, 0.4869,  
0.6072

■ 82.7273, 86.2007,  
95.4973

■ 82.7273, 86.2007,  
95.4973

■ 76.1756, 73.0970,  
93.3146

■ 87.9142, 96.5723,  
97.2271

■ 70.5236, 61.7940,  
91.4308

■ 87.9148, 96.5727,  
97.2272

■ 65.7343, 52.2164,  
89.8346

■ 87.9155, 96.5730,  
97.2272

■ 61.7653, 44.2793,  
88.5118

■ 87.9161, 96.5733,  
97.2272

58.5706, 37.8909,  
87.4471

87.9168, 96.5737,  
97.2273

56.0996, 32.9499,  
86.6236

87.9174, 96.5740,  
97.2273

54.2959, 29.3435,  
86.0225

87.9181, 96.5743,  
97.2273

53.0946, 26.9417,  
85.6223

87.9187, 96.5747,  
97.2274

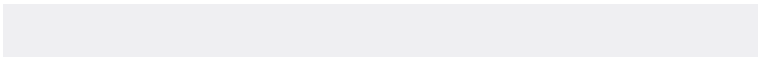
52.4178, 25.5892,  
85.3969

87.9194, 96.5750,  
97.2274

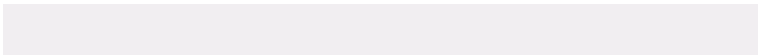
# Harmonies

## Analogous

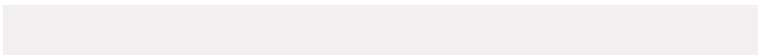
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.3345, 86.2007, 96.4289



82.7273, 86.2007, 95.4973



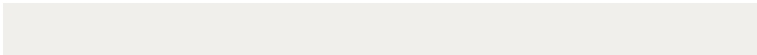
82.9068, 86.2007, 94.1334

# Triad

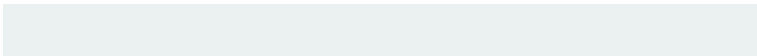
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.7273, 86.2007, 95.4973



82.0273, 86.2007, 91.1022



81.0447, 86.2007, 95.0159

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



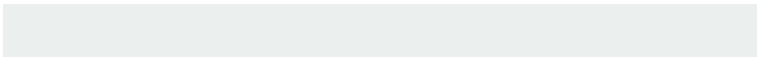
82.7273, 86.2007, 95.4973



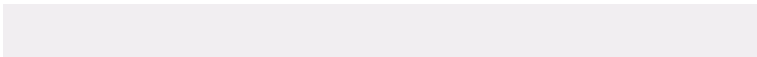
82.1511, 87.2631, 93.4070

# Split Complementary

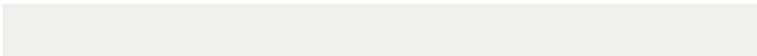
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.9632, 86.2007, 93.5830



82.7273, 86.2007, 95.4973



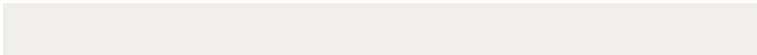
81.5292, 86.2007, 91.3330

# Square

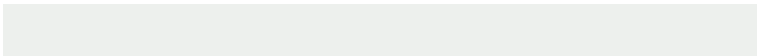
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.7273, 86.2007, 95.4973



82.5016, 86.2007, 91.6035



81.1402, 86.2007, 92.2374



81.3634, 86.2007, 96.1490

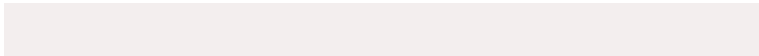


# Rectangle

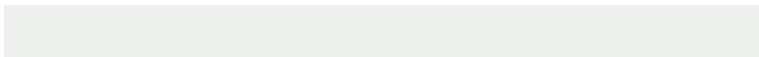
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



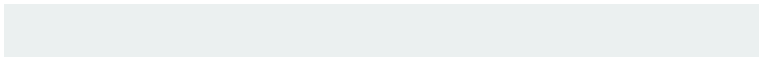
82.7273, 86.2007, 95.4973



82.8809, 86.2007, 93.1663



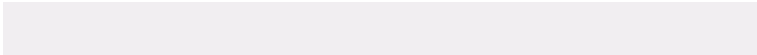
81.1402, 86.2007, 92.2374



80.9888, 86.2007, 94.5529

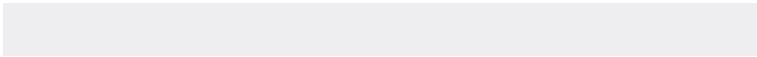
# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



82.7298, 86.2044, 95.4992

95.0500, 100.0000, 108.9000



81.7300, 85.7106, 95.4566



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

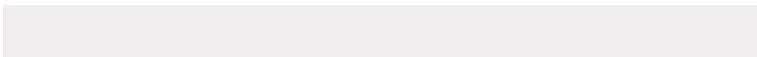
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.7298, 86.2044, 95.4992



94.2418, 98.3837, 108.6306



82.5143, 86.1182, 94.3644



17.6614, 18.4456, 20.3511



28.2779, 13.5832, 46.2593

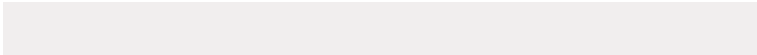


2.3525, 1.1300, 3.8483



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



82.2859, 86.0269, 93.1614



93.8340, 98.2206, 106.4829



82.3647, 87.3486, 94.5321



17.5892, 18.4168, 19.9710



19.6716, 10.1410, 0.9210

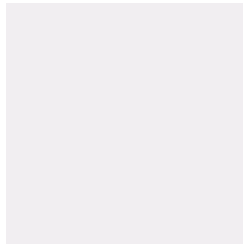


1.6365, 0.8436, 0.0767



# Previews

## White Background



This preview shows how the XYZ color 82.7273, 86.2007, 95.4973 looks on a white background.

## Color Contrast Check

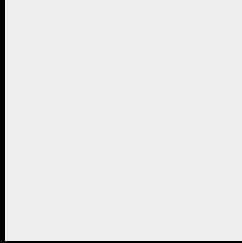
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the XYZ color 82.7273, 86.2007, 95.4973 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

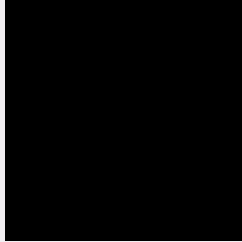
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

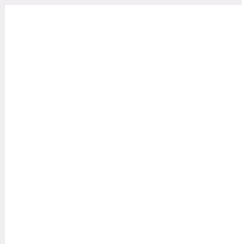


**XYZ 82.7273, 86.2007, 95.4973**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.7273, 86.2007, 95.4973.



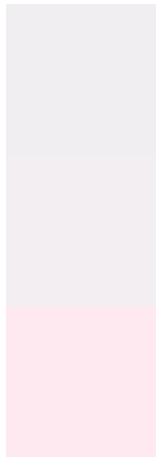
This preview shows how white text looks on a background with the XYZ color 82.7273, 86.2007,

95.4973.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

82.7273, 86.2007, 95.4973

### Protanopia

83.0697, 86.3772, 95.5133

### Deuteranopia

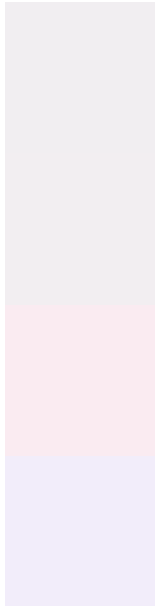
86.2561, 85.8887, 95.2511



## Tritanopia

85.0076, 86.2656, 106.7783

# Trichromacy



## Original Color

82.7273, 86.2007, 95.4973

## Protanomaly

83.0697, 86.3772, 95.5133

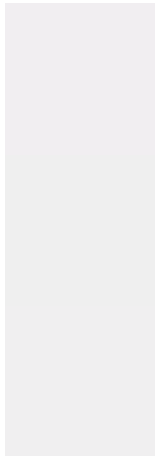
## Deuteranomaly

85.0099, 86.0915, 95.3559

## Tritanomaly

84.1575, 86.3477, 102.6737

# Monochromacy



## Original Color

82.7273, 86.2007, 95.4973

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

82.5299, 86.5495, 94.7940

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.7273, 86.2007, 95.4973 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(241, 238, 241) looks like.

```
.text, #text, p{  
    color:rgb(241, 238, 241)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(241, 238, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 238, 241) }
```

## Border

The CSS property to change the border of an element to XYZ 82.7273, 86.2007, 95.4973 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(241, 238, 241) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(241, 238, 241) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(241, 238, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 238, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 238, 241);  
box-shadow:4px 4px 4px 4px rgb(241, 238,  
241) }
```



# Background

The CSS property to change the background color of an element to XYZ 82.7273, 86.2007, 95.4973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 238, 241) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(241,  
238, 241) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor