

# Converting Colors

XYZ(86.9778, 87.7881,  
102.9878)

Have a look what the booklet for  
XYZ(86.9778, 87.7881, 102.9878)  
contains.

<b>XYZ(86.9638, 87.7945, 102.8050)</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> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(86.9638, 87.7945,  
102.8050)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAEDFA
RGB	250, 237, 250
RGB Percent	98%, 93%, 98%
CMY	0.0196, 0.0706, 0.0196
CMYK	0.00, 0.05, 0.00, 0.02
HSL	300°, 57%, 95%
HSV	300°, 5%, 98%
XYZ	86.9638, 87.7945, 102.8050
YIQ	242.3690, 3.5750, 6.7990

# Conversions

## Conversions Part 2

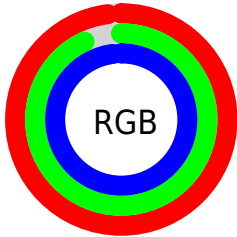
Format	Color
<b>R<sub>YB</sub></b>	250, 237, 250
Decimal	16444922
CIE Lab	95.07, 6.64, -4.70
CIE LCh	95, 8.131, 324.691
Yxy	87.7945, 0.3133, 0.3163
Android (android.graphics.Color)	4294635002 (0xFFFAEDFA)
YUV	242.3690, 3.7621, 6.6924
Hunter-Lab	93.6987, 1.6969, 0.5369

# Details

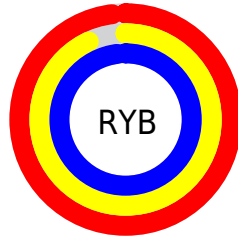
The XYZ color **86.9638, 87.7945, 102.8050** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.4001, 92.4925, 93.5298**, and the grayscale version is **84.6617, 89.0706, 96.9979**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.5096, 48.4121, 57.8267** is the 20% darker color. If you saturate the color by 10%, you get **80.2253, 74.3163, 100.5599**, and if you desaturate by 10%, it is **92.4405, 98.7465, 104.6316**.

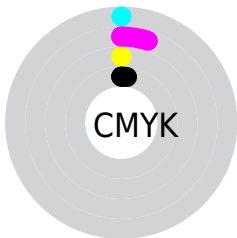
# Distribution



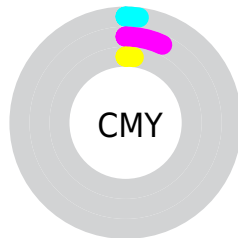
- Red (98%)
- Green (93%)
- Blue (98%)



- Red (98%)
- Yellow (93%)
- Blue (98%)



- Cyan (0%)
- Magenta (5%)
- Yellow (0%)
- Black (2%)



- Cyan (2%)
- Magenta (7%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.9638, 87.7945, 102.8050 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 86.9638, 87.7945, 102.8050 by changing the saturation by 10% instead.




 86.9638, 87.7945,  
102.8050

 86.9638, 87.7945,  
102.8050


506.4902,  
520.8300, 590.4721

 65.7932, 66.1529,  
78.0153


142.0136,  
144.2710, 167.0920

 48.3716, 48.3965,  
57.5700

176.6235,  
179.8747, 207.4263

 34.3337, 34.1410,  
41.0506

216.4439,  
220.9013, 253.7792

 23.3142, 23.0019,  
28.0387

261.8401,  
267.7350, 306.5694

 14.9477, 14.5949,  
18.1155

313.1774,  
320.7604, 366.2151

 8.8687, 8.5356,  
10.8626

370.8214,

 4.7121, 4.4395,

380.3617, 433.1352

5.8615

435.1372,  
446.9235, 507.7480

■ 2.1124, 1.9223,  
2.6936

■ 0.6959, 0.5618,  
0.9402

■ 86.9638, 87.7945,  
102.8050

■ 86.9638, 87.7945,  
102.8050

■ 80.2253, 74.3163,  
100.5599

■ 92.4405, 98.7465,  
104.6316

■ 74.4518, 62.7694,  
98.6354

■ 92.4406, 98.7466,  
104.6316

■ 69.6015, 53.0690,  
97.0187

■ 92.4406, 98.7466,  
104.6316

■ 65.6266, 45.1192,  
95.6937

■ 92.4407, 98.7466,  
104.6316

62.4749, 38.8158,  
94.6432

92.4407, 98.7467,  
104.6316

60.0887, 34.0435,  
93.8478

92.4408, 98.7467,  
104.6316

58.4029, 30.6720,  
93.2859

92.4409, 98.7467,  
104.6316

57.3416, 28.5497,  
92.9322

92.4409, 98.7467,  
104.6316

56.8114, 27.4893,  
92.7554

92.4410, 98.7468,  
104.6316

# Harmonies

## Analogous

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



85.2346, 87.7945, 107.0884



86.9638, 87.7945, 102.8050



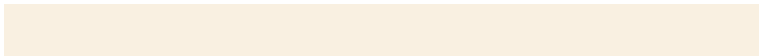
87.7513, 87.7945, 96.7243

# Triad

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



86.9638, 87.7945, 102.8050



83.8400, 87.7945, 83.9748



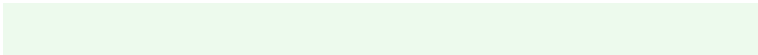
79.6425, 87.7945, 100.7703

# Complementary

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



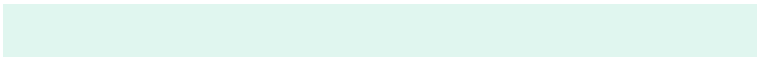
86.9638, 87.7945, 102.8050



84.4001, 92.4925, 93.5298

# 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.



79.2839, 87.7945, 94.4711



86.9638, 87.7945, 102.8050



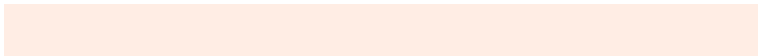
81.6826, 87.7945, 84.9517

# Square

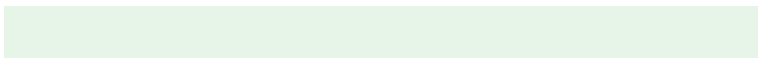
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



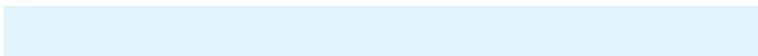
86.9638, 87.7945, 102.8050



85.9276, 87.7945, 85.9973



80.0244, 87.7945, 88.7270



81.0128, 87.7945, 105.8778

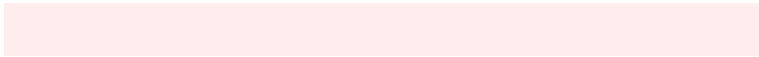


# Rectangle

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



86.9638, 87.7945, 102.8050



87.6265, 87.7945, 92.5385



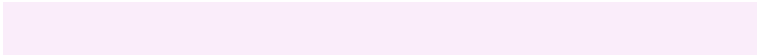
80.0244, 87.7945, 88.7270



79.4007, 87.7945, 98.7146

# Sweetspot

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



86.9663, 87.7983, 102.8069



93.4445, 96.7891, 108.3648



82.5312, 85.6051, 102.6173



20.0178, 20.7505, 23.2001



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

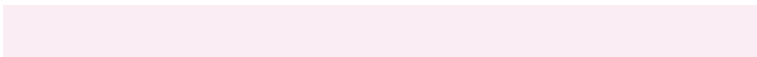
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.9663, 87.7983, 102.8069



90.3618, 90.6237, 107.3373



85.9975, 87.4108, 97.7049



18.4175, 18.3733, 21.9610



30.0644, 14.4414, 49.1765

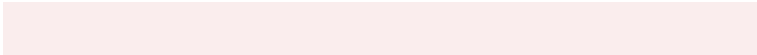


2.7845, 1.3375, 4.5546

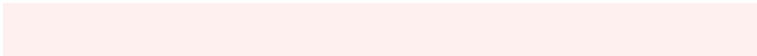


# Inverse Universe

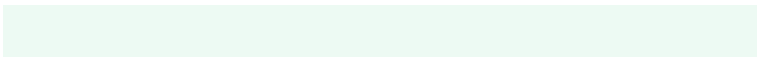
The Inverse Universe completely reimagines the original color for something new.



84.9977, 87.0109, 92.4403



87.9955, 89.6771, 94.8763



85.3342, 92.8662, 98.4489



17.8833, 18.1597, 19.1478



20.9119, 10.7805, 0.9787

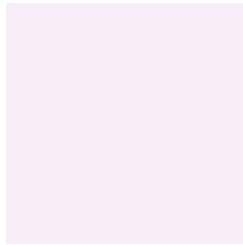


1.9368, 0.9985, 0.0907



# Previews

## White Background



This preview shows how the XYZ color 86.9638, 87.7945, 102.8050 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

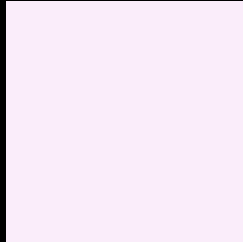
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.9638, 87.7945, 102.8050 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

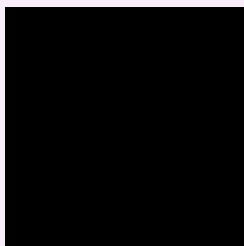
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 86.9638, 87.7945, 102.8050

## Background



This preview shows how black text looks on a background with the XYZ color 86.9638, 87.7945, 102.8050.



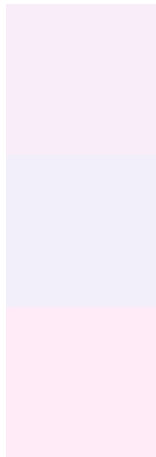
This preview shows how white text looks on a background with the XYZ color 86.9638, 87.7945,

102.8050.

# 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

86.9638, 87.7945, 102.8050

### Protanopia

84.8970, 87.5753, 103.6960

### Deuteranopia

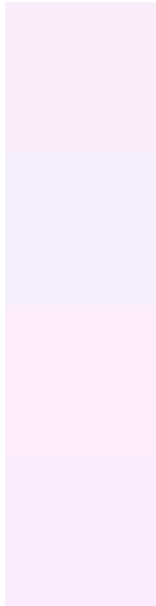
87.8916, 87.4540, 101.0549



## **Tritanopia**

87.8291, 87.7201, 106.9103

# Trichromacy



## Original Color

86.9638, 87.7945, 102.8050

## Protanomaly

85.6433, 87.5266, 103.6472

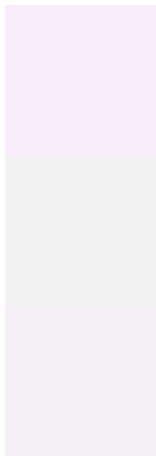
## Deuteranomaly

87.6023, 87.7131, 101.9357

## Tritanomaly

87.5087, 87.5920, 105.2232

# Monochromacy



## Original Color

86.9638, 87.7945, 102.8050

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

85.2977, 88.3252, 98.9390

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.9638, 87.7945, 102.8050 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(250, 237, 250)` looks like.

```
.text, #text, p{  
    color:rgb(250, 237, 250)  
}
```

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(250, 237, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 237, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 86.9638, 87.7945, 102.8050 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(250, 237, 250) }
```



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

```
.border{ border-color:rgb(250, 237, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 237, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 237, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 237, 250);  
box-shadow:4px 4px 4px 4px rgb(250, 237,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 86.9638, 87.7945, 102.8050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 237, 250) }
```

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

```
.background{ background-color: rgb(250,  
237, 250) }
```

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](#).

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