

# Converting Colors

XYZ(80.0517, 87.4143, 81.7619)

Have a look what the booklet for  
XYZ(80.0517, 87.4143, 81.7619)  
contains.

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# Color

**XYZ(79.8275, 87.2080,  
81.7327)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECF3DE
RGB	236, 243, 222
RGB Percent	93%, 95%, 87%
CMY	0.0745, 0.0470, 0.1294
CMYK	0.03, 0.00, 0.09, 0.05
HSL	80°, 47%, 91%
HSV	80°, 9%, 95%
XYZ	79.8275, 87.2080, 81.7327
YIQ	238.5130, 2.5690, -8.0150

# Conversions

## Conversions Part 2

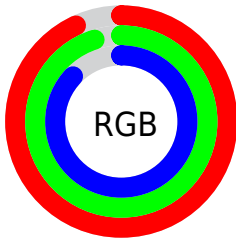
Format	Color
R <sub>Y</sub> B	222, 243, 229
Decimal	15528926
CIE Lab	94.83, -5.95, 9.32
CIE LCh	95, 11.056, 122.586
Yxy	87.2080, 0.3209, 0.3506
Android (android.graphics.Color)	4293719006 (0xFFECEF3DE)
YUV	238.5130, -8.1409, -2.2039
Hunter-Lab	93.3852, -10.8389, 13.4778

# Details

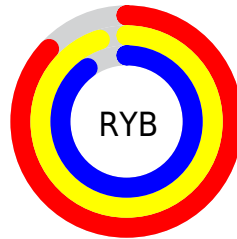
The XYZ color **79.8275, 87.2080, 81.7327** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.6154, 75.3740, 95.4146**, and the grayscale version is **81.7275, 85.9837, 93.6363**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.5678, 48.0340, 43.5344** is the 20% darker color. If you saturate the color by 10%, you get **74.1733, 84.6453, 65.6744**, and if you desaturate by 10%, it is **86.0781, 90.0290, 100.2729**.

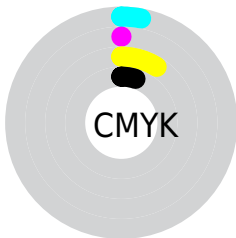
# Distribution



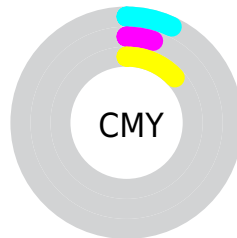
- Red (93%)
- Green (95%)
- Blue (87%)



- Red (87%)
- Yellow (95%)
- Blue (90%)



- Cyan (3%)
- Magenta (0%)
- Yellow (9%)
- Black (5%)



- Cyan (7%)
- Magenta (5%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.8275, 87.2080, 81.7327 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 79.8275, 87.2080, 81.7327 by changing the saturation by 10% instead.



79.8275, 87.2080,  
81.7327

79.8275, 87.2080,  
81.7327

483.0967,  
518.9061, 520.6131

59.8844, 65.6674,  
60.6107

132.0750,  
143.4540, 137.6324

43.5746, 48.0024,  
43.4826

165.1101,  
178.9282, 173.2472

30.5327, 33.8288,  
29.9297

203.2398,  
219.8156, 214.5300

20.3933, 22.7621,  
19.5336

246.8297,  
266.5008, 261.8994

12.7912, 14.4179,  
11.8758

296.2449,  
319.3680, 315.7738

7.3609, 8.4119,  
6.5377

351.8509,

3.7372, 4.3596,

378.8017, 376.5719

3.1007

414.0131,  
445.1863, 444.7121

■ 1.5545, 1.8767,  
1.1463

■ 0.3625, 0.5343,  
0.0000

■ 79.8275, 87.2080,  
81.7327

■ 79.8275, 87.2080,  
81.7327

■ 74.1733, 84.6453,  
65.6744

■ 86.0781, 90.0290,  
100.2729

■ 69.0867, 82.3208,  
51.9870

■ 90.3230, 92.0592,  
107.6164

■ 64.5471, 80.2288,  
40.5594

■ 91.3423, 92.5847,  
107.6641

■ 60.5296, 78.3591,  
31.2695

■ 57.0072, 76.7008,  
23.9837

■ 53.9498, 75.2418,  
18.5533

■ 51.3237, 73.9681,  
14.8090

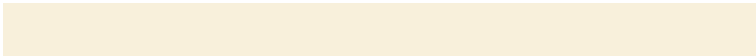
■ 49.0888, 72.8636,  
12.5503

■ 47.1882, 71.9054,  
11.4867

# Harmonies

## Analogous

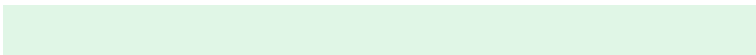
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.6292, 87.2080, 79.4222



79.8275, 87.2080, 81.7327



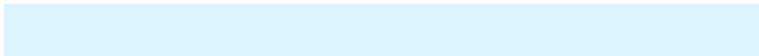
77.8839, 87.2080, 87.5661

# Triad

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



79.8275, 87.2080, 81.7327



80.2669, 87.2080, 110.3508



88.7720, 87.2080, 94.2130

# Complementary

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



79.8275, 87.2080, 81.7327



74.6154, 75.3740, 95.4146

# Split Complementary

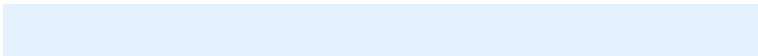
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.1032, 87.2080, 102.7476



79.8275, 87.2080, 81.7327



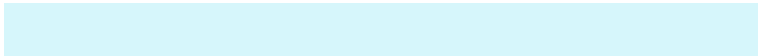
83.1485, 87.2080, 112.3907

# Square

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



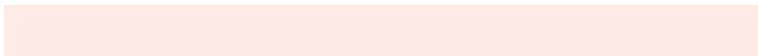
79.8275, 87.2080, 81.7327



78.1332, 87.2080, 104.1111



86.0269, 87.2080, 109.5309



87.8331, 87.2080, 86.3515



# Rectangle

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



79.8275, 87.2080, 81.7327



77.3114, 87.2080, 92.8436



86.0269, 87.2080, 109.5309



88.7277, 87.2080, 97.0976

# Sweetspot

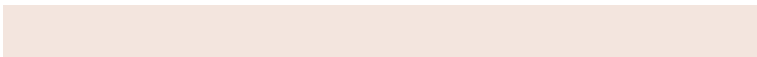
The Sweet Spot groups the original color and five complimentary colors.



79.8299, 87.2118, 81.7346



92.9102, 99.0364, 102.4982



78.1694, 80.3701, 80.5015



19.7664, 21.1437, 21.5819



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.



79.8299, 87.2118, 81.7346



88.1531, 96.8878, 88.5503



76.4456, 85.4671, 81.5762



17.3464, 19.0206, 17.5547



25.9131, 39.4715, 6.2530



2.3862, 3.5252, 0.5547



# Inverse Universe

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



74.6154, 75.3740, 95.4146



81.4691, 81.7135, 106.0862



78.0677, 77.1537, 95.5762



16.1018, 16.1951, 20.8199



10.8704, 4.5782, 46.8488

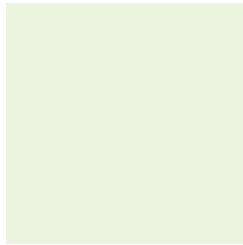


1.0600, 0.4563, 4.1224



# Previews

## White Background



This preview shows how the XYZ color 79.8275, 87.2080, 81.7327 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

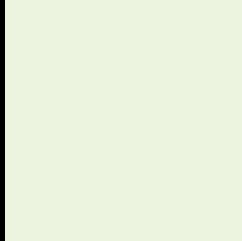
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.8275, 87.2080, 81.7327 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

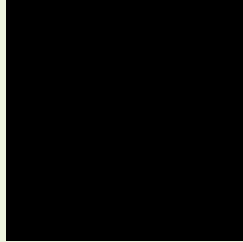
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

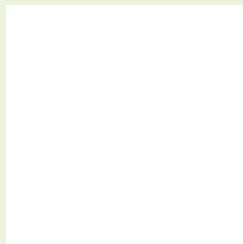
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 79.8275, 87.2080, 81.7327**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.8275, 87.2080, 81.7327.



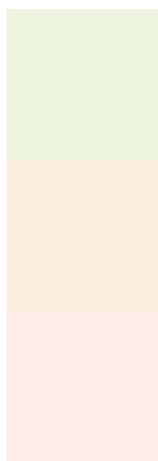
This preview shows how white text looks on a background with the XYZ color 79.8275, 87.2080,

81.7327.

# 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

79.8275, 87.2080, 81.7327

### Protanopia

82.8517, 87.0400, 80.1438

### Deuteranopia

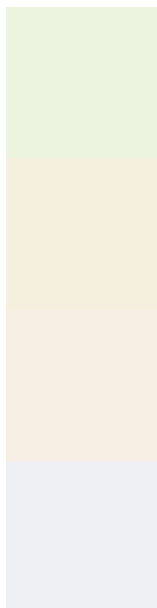
85.8009, 87.0771, 88.6293



## Tritanopia

84.9002, 87.0698, 106.9392

# Trichromacy



## Original Color

79.8275, 87.2080, 81.7327

## Protanomaly

81.5195, 86.7737, 80.8591

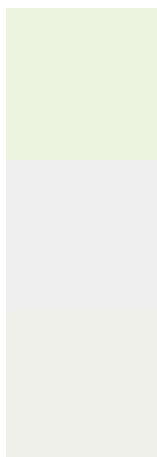
## Deuteranomaly

83.5815, 87.2909, 85.8424

## Tritanomaly

82.9344, 87.1420, 97.2430

# Monochromacy



## Original Color

79.8275, 87.2080, 81.7327

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

81.1280, 86.3805, 89.4880

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.8275, 87.2080, 81.7327 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(236, 243, 222) looks like.

```
.text, #text, p{  
    color:rgb(236, 243, 222)  
}
```

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(236, 243, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 243, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 79.8275, 87.2080, 81.7327 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(236, 243, 222) }
```



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

```
.border{ border-color:rgb(236, 243, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 243, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 243, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 243, 222);  
box-shadow:4px 4px 4px 4px rgb(236, 243,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.8275, 87.2080, 81.7327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 243, 222) }
```

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

```
.background{ background-color: rgb(236,  
243, 222) }
```

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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