

Converting Colors

XYZ(80.0750, 86.6086, 78.6875)

Have a look what the booklet for
XYZ(80.0750, 86.6086, 78.6875)
contains.

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Color

**XYZ(80.0454, 86.4978,
78.8066)**

Conversions

Conversions Part 1

Format	Color
Hex	F0F1DA
RGB	240, 241, 218
RGB Percent	94%, 95%, 85%
CMY	0.0588, 0.0549, 0.1451
CMYK	0.00, 0.00, 0.10, 0.05
HSL	63°, 45%, 90%
HSV	63°, 10%, 95%
XYZ	80.0454, 86.4978, 78.8066
YIQ	238.0790, 6.7870, -7.3650

Conversions

Conversions Part 2

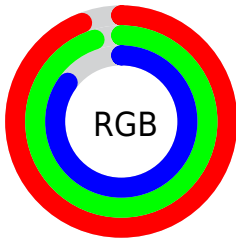
Format	Color
R_{YB}	218, 241, 219
Decimal	15790554
CIE _{Lab}	94.52, -4.23, 10.99
CIE _{LCh}	95, 11.775, 111.028
Yxy	86.4978, 0.3263, 0.3525
Android (android.graphics.Color)	4293980634 (0xFFFF0F1DA)
YUV	238.0790, -9.8989, 1.6847
Hunter-Lab	93.0042, -9.1287, 14.8639

Details

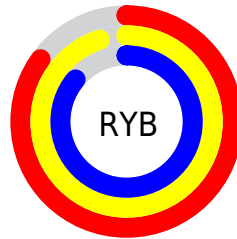
The XYZ color **80.0454, 86.4978, 78.8066** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **70.1653, 71.5561, 93.3372**, and the grayscale version is **81.4018, 85.6410, 93.2631**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7270, 47.5326, 41.5204** is the 20% darker color. If you saturate the color by 10%, you get **76.7628, 85.1465, 63.3699**, and if you desaturate by 10%, it is **83.7934, 88.0412, 96.6624**.

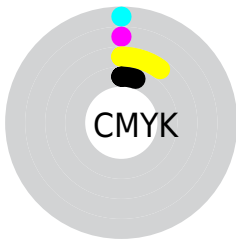
Distribution



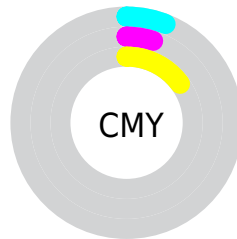
- Red (94%)
- Green (95%)
- Blue (85%)



- Red (85%)
- Yellow (95%)
- Blue (86%)



- Cyan (0%)
- Magenta (0%)
- Yellow (10%)
- Black (5%)





- Cyan (6%)
- Magenta (5%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.0454, 86.4978, 78.8066 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 80.0454, 86.4978, 78.8066 by changing the saturation by 10% instead.


 80.0454, 86.4978,
78.8066

 80.0454, 86.4978,
78.8066


483.8200,
516.5712, 510.5021

 60.0643, 65.0797,
58.2164


132.3797,
142.4640, 133.4828

 43.7201, 47.5257,
41.5668


165.4637,
177.7808, 168.4058

 30.6475, 33.4514,
28.4392


203.6460,
218.4993, 208.9436

 20.4811, 22.4725,
18.4151

247.2920,
265.0039, 255.5146

 12.8555, 14.2045,
11.0759

296.7671,
317.6790, 308.5375

 7.4054, 8.2630,
6.0031

352.4365,

 3.7655, 4.2637,

376.9090, 368.4306

2.7781

414.6657,
443.0783, 435.6127

■ 1.5703, 1.8221,
0.9825

■ 0.3730, 0.5009,
0.0000

■ 80.0454, 86.4978,
78.8066

■ 80.0454, 86.4978,
78.8066

■ 76.7628, 85.1465,
63.3699

■ 83.7934, 88.0412,
96.6624

■ 73.9190, 83.9680,
50.2429


■ 86.1614, 89.0301,
107.2511


■ 71.4950, 82.9577,
39.3162


■ 86.5239, 89.2170,
107.2680


■ 69.4679, 82.1064,
30.4693


■ 86.8886, 89.4049,
107.2851


 67.8128, 81.4042,
23.5701


 87.2552, 89.5940,
107.3023


 66.5017, 80.8398,
18.4714


 87.6240, 89.7841,
107.3195


 65.5026, 80.4004,
15.0053

 87.9949, 89.9753,
107.3369

 64.7776, 80.0709,
12.9720

 88.3679, 90.1675,
107.3543

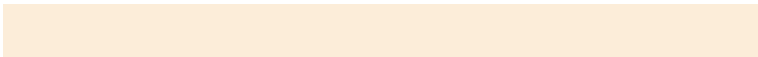
 64.2662, 79.8271,
12.0525

 88.7429, 90.3609,
107.3719

Harmonies

Analogous

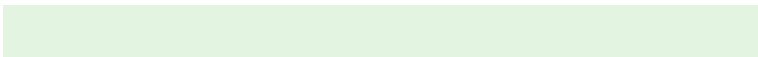
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.1680, 86.4978, 77.9668



80.0454, 86.4978, 78.8066



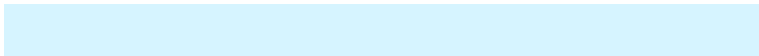
77.5645, 86.4978, 83.6217

Triad

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



80.0454, 86.4978, 78.8066



78.4386, 86.4978, 108.4178



88.3835, 86.4978, 96.9305

Complementary

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



80.0454, 86.4978, 78.8066



70.1653, 71.5561, 93.3372

Split Complementary

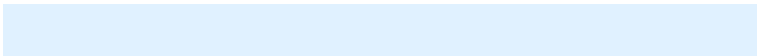
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.0448, 86.4978, 105.5946



80.0454, 86.4978, 78.8066



81.2665, 86.4978, 112.5012

Square

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



80.0454, 86.4978, 78.8066



76.6535, 86.4978, 100.5862



84.4205, 86.4978, 111.4361



88.0362, 86.4978, 88.0544

Rectangle

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



80.0454, 86.4978, 78.8066



76.5821, 86.4978, 88.6185



84.4205, 86.4978, 111.4361



88.1145, 86.4978, 99.9723

Sweetspot

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



80.0478, 86.5016, 78.8085



93.7198, 99.4537, 102.5361



74.2040, 74.3063, 76.7625



19.9856, 21.2566, 21.5922



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.



80.0478, 86.5016, 78.8085



90.4090, 98.0917, 86.8054



76.3414, 84.5909, 78.6350



17.0507, 18.4218, 16.8068



34.8677, 43.2965, 6.5193



2.9216, 3.6127, 0.5433

Inverse Universe

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



70.1653, 71.5561, 93.3372



77.5559, 78.6534, 105.7017



73.6700, 73.3628, 93.5013



14.9611, 15.2616, 19.8789



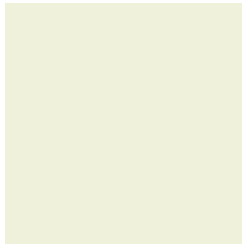
8.7102, 3.4957, 45.3435



0.7469, 0.3023, 3.7732

Previews

White Background



This preview shows how the XYZ color 80.0454, 86.4978, 78.8066 looks on a white background.

Color Contrast Check

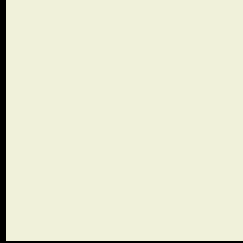
Large Text (above 18pt) WCAG AA × Fail

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 80.0454, 86.4978, 78.8066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

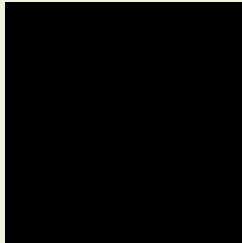
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

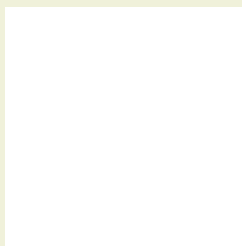
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.0454, 86.4978, 78.8066

Background



This preview shows how black text looks on a background with the XYZ color 80.0454, 86.4978, 78.8066.

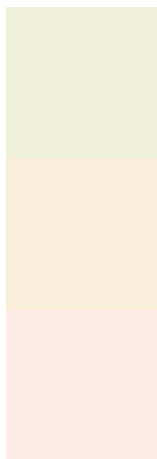


This preview shows how white text looks on a background with the XYZ color 80.0454, 86.4978,

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

80.0454, 86.4978, 78.8066

Protanopia

82.1658, 86.2986, 77.9723

Deuteranopia

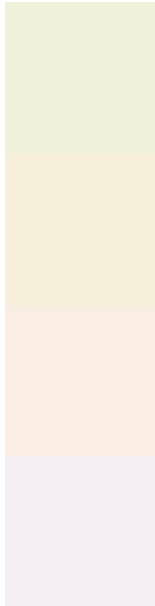
85.2313, 86.3898, 87.0456



Tritanopia

85.5410, 86.5591, 105.9650

Trichromacy



Original Color

80.0454, 86.4978, 78.8066

Protanomaly

81.3969, 86.3356, 78.0200

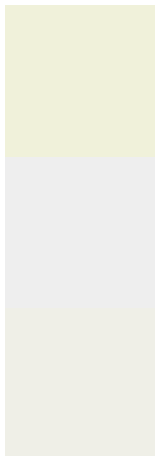
Deuteranomaly

83.4360, 86.3834, 84.2276

Tritanomaly

83.4139, 86.5546, 95.5294

Monochromacy



Original Color

80.0454, 86.4978, 78.8066

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

80.8869, 85.8532, 87.9094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.0454, 86.4978, 78.8066 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(240, 241, 218) looks like.

```
.text, #text, p{  
    color:rgb(240, 241, 218)  
}
```

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(240, 241, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 241, 218) }
```

Border

The CSS property to change the border of an element to XYZ 80.0454, 86.4978, 78.8066 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(240, 241, 218) }
```


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

```
.border{ border-color:rgb(240, 241, 218) }
```

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

Here you see how a box with a 4 pixel rgb(240, 241, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 241, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 241, 218);  
box-shadow:4px 4px 4px 4px rgb(240, 241,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 80.0454, 86.4978, 78.8066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 241, 218) }
```

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

```
.background{ background-color: rgb(240,  
241, 218) }
```

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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