

Converting Colors

XYZ(88.5254, 87.6696, 63.9613)

Have a look what the booklet for
XYZ(88.5254, 87.6696, 63.9613)
contains.

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Color

**XYZ(80.2292, 83.4780,
63.5141)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE9C3
RGB	255, 233, 195
RGB Percent	100%, 91%, 76%
CMY	0.0000, 0.0862, 0.2353
CMYK	0.00, 0.09, 0.24, 0.00
HSL	38°, 100%, 88%
HSV	38°, 24%, 100%
XYZ	80.2292, 83.4780, 63.5141
YIQ	235.2460, 25.3100, -7.1540

Conversions

Conversions Part 2

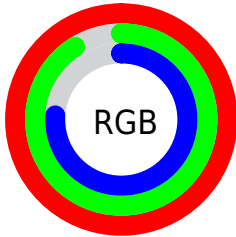
Format	Color
R_{YB}	230, 255, 195
Decimal	16771523
CIE Lab	93.22, 1.75, 21.21
CIE LCh	93, 21.279, 85.294
Yxy	83.4780, 0.3531, 0.3674
Android (android.graphics.Color)	4294961603 (0xFFFFE9C3)
YUV	235.2460, -19.8413, 17.3243
Hunter-Lab	91.3663, -3.1493, 22.7404

Details

The XYZ color **80.2292, 83.4780, 63.5141** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.3679, 68.4457, 104.3738**, and the grayscale version is **79.2878, 83.4169, 90.8410**.

A 20% lighter version of the original color is **94.5707, 99.8083, 106.3760**, and **43.8186, 45.3731, 31.6477** is the 20% darker color. If you saturate the color by 10%, you get **75.0127, 77.2716, 48.7450**, and if you desaturate by 10%, it is **86.0825, 90.1692, 80.9266**.

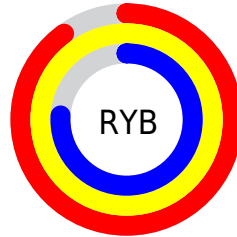
Distribution



Red (100%)

Green (91%)

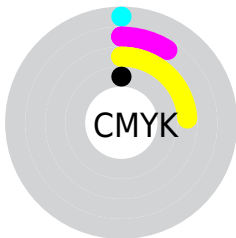
Blue (76%)



Red (90%)

Yellow (100%)

Blue (76%)

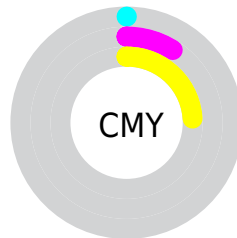


Cyan (0%)

Magenta (9%)

Yellow (24%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.2292, 83.4780, 63.5141 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 80.2292, 83.4780, 63.5141 by changing the saturation by 10% instead.


 80.2292, 83.4780,
63.5141

 80.2292, 83.4780,
63.5141


484.4297,
506.5782, 455.5921

 60.2161, 62.5846,
45.8136


132.6368,
138.2447, 111.5036

 43.8430, 45.5052,
31.7511


165.7619,
172.8868, 142.6296

 30.7445, 31.8555,
20.9082

203.9885,
212.8806, 179.0679

 20.5552, 21.2512,
12.8664

247.6818,
258.6104, 221.2370

 12.9099, 13.3077,
7.2069

297.2072,
310.4607, 269.5554

 7.4431, 7.6408,
3.5114

352.9301,

 3.7895, 3.8660,

368.8158, 324.4417

1.3613

415.2158,
434.0602, 386.3144

■ 1.5837, 1.5989,
0.1113

■ 0.3818, 0.3568,
0.0000

■ 80.2292, 83.4780,
63.5141

■ 80.2292, 83.4780,
63.5141

■ 75.0127, 77.2716,
48.7450

■ 86.0825, 90.1692,
80.9266

■ 70.3996, 71.5246,
36.4815

■ 92.5916, 97.3475,
101.1002

■ 66.3626, 66.2253,
26.5814

95.0500, 100.0000,
108.9000

■ 62.8694, 61.3573,
18.8860

■ 59.8838, 56.9025,
13.2165

■ 57.3645, 52.8404,
9.3664

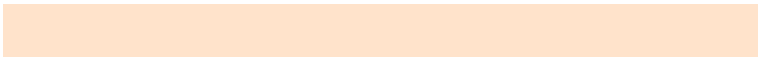
■ 55.2614, 49.1470,
7.0838

■ 54.0767, 46.9335,
6.2089

Harmonies

Analogous

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



85.6278, 83.4780, 67.8437



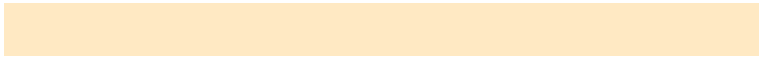
80.2292, 83.4780, 63.5141



74.8348, 83.4780, 65.7850

Triad

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



80.2292, 83.4780, 63.5141



70.0084, 83.4780, 104.7039



88.5204, 83.4780, 109.5890

Complementary

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



80.2292, 83.4780, 63.5141



65.3679, 68.4457, 104.3738

Split Complementary

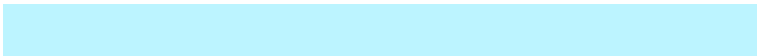
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.0294, 83.4780, 121.6935



80.2292, 83.4780, 63.5141



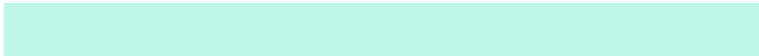
73.3742, 83.4780, 118.6488

Square

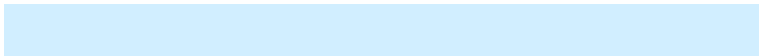
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.2292, 83.4780, 63.5141



69.0969, 83.4780, 88.3890



78.4640, 83.4780, 125.1888



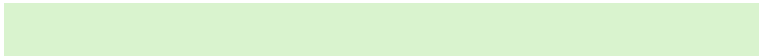
90.5558, 83.4780, 93.4445

Rectangle

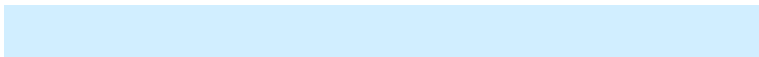
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.2292, 83.4780, 63.5141



71.9400, 83.4780, 70.8958



78.4640, 83.4780, 125.1888



87.2379, 83.4780, 114.3366

Sweetspot

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



80.2313, 83.4817, 63.5158



90.2560, 94.7992, 93.7768



73.2801, 65.3009, 74.3885



19.2333, 20.1974, 19.8070



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

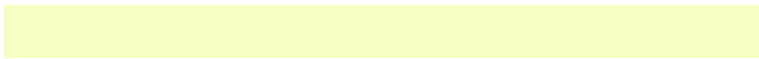
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.2313, 83.4817, 63.5158



77.8213, 80.6468, 56.5926



83.9684, 95.2344, 65.5874



18.9686, 19.9054, 18.9867



28.4036, 24.8184, 3.2934



2.8698, 2.6250, 0.3554

Inverse Universe

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



65.3679, 68.4457, 104.3738



60.7121, 63.3422, 103.6341



62.1946, 58.9478, 102.7078



17.5482, 18.4680, 22.8897



11.6283, 8.1663, 50.3980



1.2321, 0.9949, 4.9404

Previews

White Background



This preview shows how the XYZ color 80.2292, 83.4780, 63.5141 looks on a white background.

Color Contrast Check

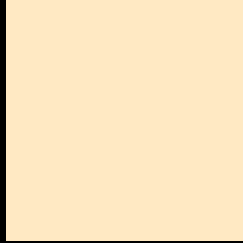
Large Text (above 18pt) WCAG AA × Fail

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 80.2292, 83.4780, 63.5141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

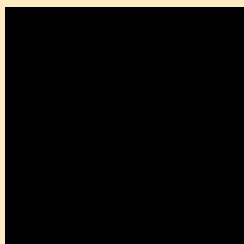
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.2292, 83.4780, 63.5141

Background



This preview shows how black text looks on a background with the XYZ color 80.2292, 83.4780, 63.5141.

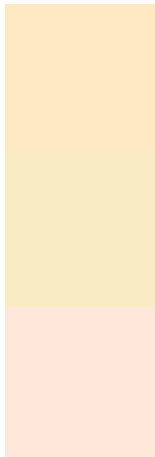


This preview shows how white text looks on a background with the XYZ color 80.2292, 83.4780,

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

80.2292, 83.4780, 63.5141

Protanopia

78.7391, 83.5419, 64.1998

Deuteranopia

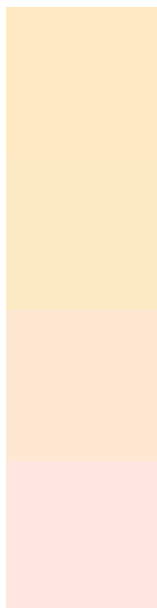
82.3403, 83.4216, 77.4078



Tritanopia

85.2863, 83.7094, 95.6669

Trichromacy



Original Color

80.2292, 83.4780, 63.5141

Protanomaly

79.1703, 83.3404, 64.1381

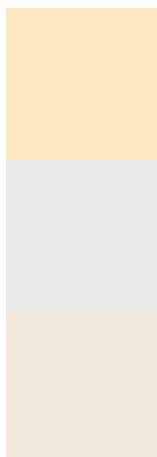
Deuteranomaly

81.6052, 83.5767, 72.1525

Tritanomaly

83.1274, 83.2899, 82.9294

Monochromacy



Original Color

80.2292, 83.4780, 63.5141

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.9590, 82.8902, 79.5480

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.2292, 83.4780, 63.5141 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(255, 233, 195) looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 195)  
}
```

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(255, 233, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 195) }
```

Border

The CSS property to change the border of an element to XYZ 80.2292, 83.4780, 63.5141 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(255, 233, 195) }
```


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

```
.border{ border-color:rgb(255, 233, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 233, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 195);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 80.2292, 83.4780, 63.5141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 195) }
```

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

```
.background{ background-color: rgb(255,  
233, 195) }
```

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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