

Converting Colors

XYZ(80.7788, 84.5190, 63.8760)

Have a look what the booklet for
XYZ(80.7788, 84.5190, 63.8760)
contains.

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Color

**XYZ(80.7987, 84.6168,
63.7039)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEB33
RGB	255, 235, 195
RGB Percent	100%, 92%, 76%
CMY	0.0000, 0.0784, 0.2353
CMYK	0.00, 0.08, 0.24, 0.00
HSL	40°, 100%, 88%
HSV	40°, 24%, 100%
XYZ	80.7987, 84.6168, 63.7039
YIQ	236.4200, 24.7600, -8.2000

Conversions

Conversions Part 2

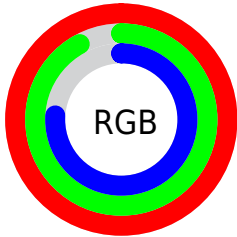
Format	Color
RYB	225, 255, 195
Decimal	16772035
CIELab	93.72, 0.73, 21.89
CIELCh	94, 21.905, 88.090
Yxy	84.6168, 0.3526, 0.3693
Android (android.graphics.Color)	4294962115 (0xFFFFEBC3)
YUV	236.4200, -20.4201, 16.2947
Hunter-Lab	91.9874, -4.1894, 23.3312

Details

The XYZ color **80.7987, 84.6168, 63.7039** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **64.8555, 67.4210, 104.2030**, and the grayscale version is **80.1908, 84.3670, 91.8757**.

A 20% lighter version of the original color is **94.5707, 99.8083, 106.3760**, and **44.2165, 46.1691, 31.7804** is the 20% darker color. If you saturate the color by 10%, you get **75.7836, 78.8133, 49.0019**, and if you desaturate by 10%, it is **86.4265, 90.8572, 81.0413**.

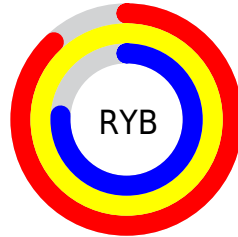
Distribution



Red (100%)

Green (92%)

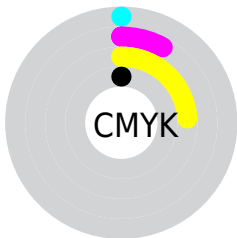
Blue (76%)



Red (88%)

Yellow (100%)

Blue (76%)

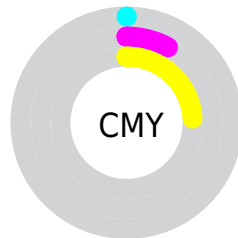


Cyan (0%)

Magenta (8%)

Yellow (24%)

Black (0%)



Cyan (0%)


Magenta (8%)


Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.7987, 84.6168, 63.7039 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 80.7987, 84.6168, 63.7039 by changing the saturation by 10% instead.


 80.7987, 84.6168,
63.7039

 80.7987, 84.6168,
63.7039


486.3161,
510.3592, 456.2977

 60.6865, 63.5248,
45.9662


133.4327,
139.8377, 111.7798

 44.2238, 46.2659,
31.8707


166.6853,
174.7353, 142.9550

 31.0452, 32.4557,
20.9988


205.0487,
215.0036, 179.4466

 20.7852, 21.7098,
12.9319

248.8884,
261.0270, 221.6730

 13.0787, 13.6438,
7.2515

298.5696,
313.1899, 270.0528

 7.5601, 7.8734,
3.5390

354.4577,

 3.8642, 4.0140,

371.8766, 325.0044

1.3760

416.9181,
437.4716, 386.9466

■ 1.6256, 1.6814,
0.1229

■ 0.4090, 0.4116,
0.0000

■ 80.7987, 84.6168,
63.7039

■ 80.7987, 84.6168,
63.7039

■ 75.7836, 78.8133,
49.0019

■ 86.4265, 90.8572,
81.0413

■ 71.3485, 73.4223,
36.7978

■ 92.6857, 97.5357,
101.1316

■ 67.4666, 68.4333,
26.9494

95.0500, 100.0000,
108.9000

■ 64.1062, 63.8311,
19.2982

■ 61.2319, 59.5986,
13.6659

■ 58.8028, 55.7168,
9.8458

■ 56.7693, 52.1629,
7.5865

■ 55.6192, 50.0185,
6.7231

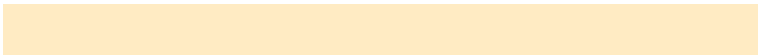
Harmonies

Analogous

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



86.4788, 84.6168, 67.5467



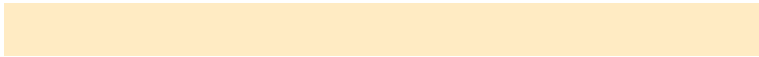
80.7987, 84.6168, 63.7039



75.2774, 84.6168, 66.6833

Triad

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



80.7987, 84.6168, 63.7039



70.9638, 84.6168, 108.0407



90.2906, 84.6168, 110.1080

Complementary

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



80.7987, 84.6168, 63.7039



64.8555, 67.4210, 104.2030

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.



85.8036, 84.6168, 123.3524



80.7987, 84.6168, 63.7039



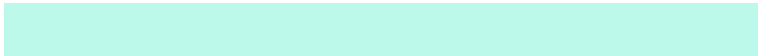
74.6619, 84.6168, 122.0614

Square

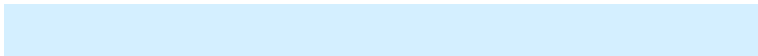
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.7987, 84.6168, 63.7039



69.7653, 84.6168, 91.0709



80.0539, 84.6168, 127.9671



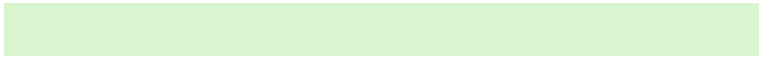
92.1203, 84.6168, 93.2039

Rectangle

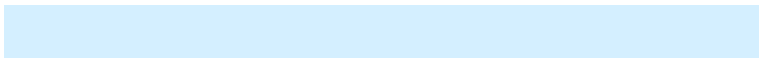
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.7987, 84.6168, 63.7039



72.3921, 84.6168, 72.3653



80.0539, 84.6168, 127.9671



89.0327, 84.6168, 115.2085

Sweetspot

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



80.8007, 84.6205, 63.7057



90.4397, 95.1665, 93.8380



73.0215, 65.1975, 73.0266



19.2759, 20.2826, 19.8212



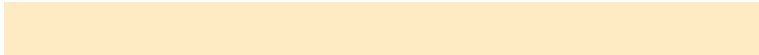
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

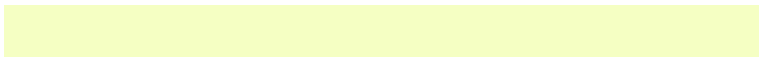
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.8007, 84.6205, 63.7057



78.4837, 81.9716, 56.8134



83.2669, 94.8728, 65.5546



19.0214, 20.0109, 19.0043



29.2052, 26.4217, 3.5606



2.9442, 2.7737, 0.3802

Inverse Universe

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



64.8555, 67.4210, 104.2030



60.1297, 62.1775, 103.4400



62.7428, 59.2305, 102.7335



17.4975, 18.3667, 22.8728



11.2498, 7.4092, 50.2718



1.1910, 0.9127, 4.9267

Previews

White Background



This preview shows how the XYZ color 80.7987, 84.6168, 63.7039 looks on a white background.

Color Contrast Check

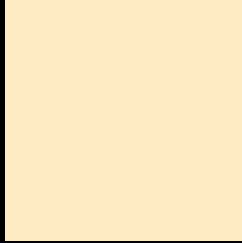
Large Text (above 18pt) WCAG AA × Fail

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 80.7987, 84.6168, 63.7039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

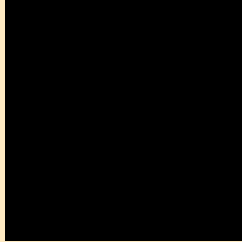
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.7987, 84.6168, 63.7039

Background



This preview shows how black text looks on a background with the XYZ color 80.7987, 84.6168, 63.7039.



This preview shows how white text looks on a background with the XYZ color 80.7987, 84.6168,

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

80.7987, 84.6168, 63.7039

Protanopia

79.7429, 84.4857, 64.3290

Deuteranopia

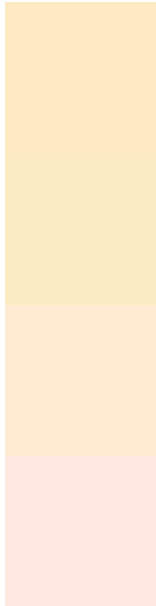
83.1651, 84.6523, 78.9741



Tritanopia

85.7145, 84.3247, 96.5527

Trichromacy



Original Color

80.7987, 84.6168, 63.7039

Protanomaly

80.1041, 84.6719, 64.3459

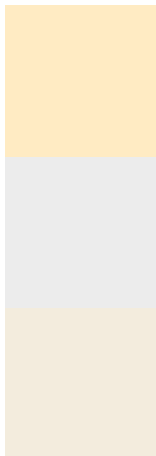
Deuteranomaly

82.2957, 84.7588, 72.9954

Tritanomaly

83.8241, 84.4642, 83.8367

Monochromacy



Original Color

80.7987, 84.6168, 63.7039

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

80.0087, 84.2660, 80.4547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.7987, 84.6168, 63.7039 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, 235, 195)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 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, 235, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 195) }
```

Border

The CSS property to change the border of an element to XYZ 80.7987, 84.6168, 63.7039 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, 235, 195) }
```


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

```
.border{ border-color:rgb(255, 235, 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, 235, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 195);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 80.7987, 84.6168, 63.7039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 195) }
```

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

```
.background{ background-color: rgb(255,  
235, 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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