

Converting Colors

XYZ(72.4788, 70.4549, 31.2537)

Have a look what the booklet for
XYZ(72.4788, 70.4549, 31.2537)
contains.

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Color

**XYZ(67.8926, 68.0104,
31.0217)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD083
RGB	255, 208, 131
RGB Percent	100%, 82%, 51%
CMY	0.0000, 0.1843, 0.4863
CMYK	0.00, 0.18, 0.49, 0.00
HSL	37°, 100%, 76%
HSV	37°, 49%, 100%
XYZ	67.8926, 68.0104, 31.0217
YIQ	213.2750, 52.7290, -13.9830

Conversions

Conversions Part 2

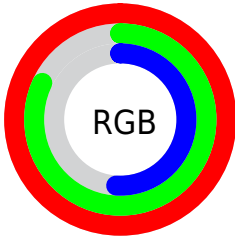
Format	Color
R_{YB}	207, 255, 131
Decimal	16765059
CIE _{Lab}	86.01, 7.25, 44.28
CIE _{LCh}	86, 44.869, 80.701
Yxy	68.0104, 0.4067, 0.4074
Android (android.graphics.Color)	4294955139 (0xFFFFD083)
YUV	213.2750, -40.5616, 36.5928
Hunter-Lab	82.4684, 2.6314, 35.4251

Details

The XYZ color **67.8926, 68.0104, 31.0217** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **43.3299, 43.8844, 100.7943**, and the grayscale version is **63.6698, 66.9856, 72.9473**.

A 20% lighter version of the original color is **85.7570, 96.2828, 59.9635**, and **35.7685, 35.4262, 12.5421** is the 20% darker color. If you saturate the color by 10%, you get **64.0880, 62.8351, 22.2509**, and if you desaturate by 10%, it is **72.2694, 73.6495, 42.0827**.

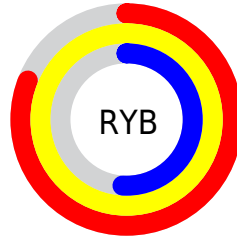
Distribution



Red (100%)

Green (82%)

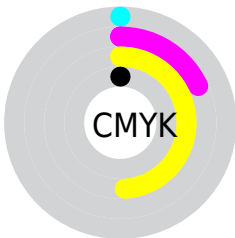
Blue (51%)



Red (81%)

Yellow (100%)

Blue (51%)

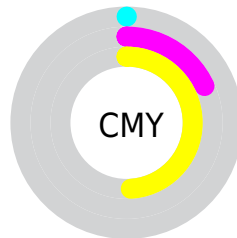


Cyan (0%)

Magenta (18%)

Yellow (49%)

Black (0%)



Cyan (0%)


Magenta (18%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.8926, 68.0104, 31.0217 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 67.8926, 68.0104, 31.0217 by changing the saturation by 10% instead.


 67.8926, 68.0104,
31.0217


 67.8926, 68.0104,
31.0217


442.4981,
453.5329, 320.9926


 50.0837, 49.9062,
20.3568


 115.2412,
116.3670, 62.3542

 35.6980, 35.3389,
12.4680


 145.5117,
147.3882, 83.8589

 24.3701, 23.9240,
6.9369


 180.6668,
183.4839, 109.8139

 15.7346, 15.2773,
3.3448

221.0717,
225.0384, 140.6377

 9.4262, 9.0142,
1.2733

267.0920,
272.4362, 176.7490

 5.0795, 4.7505,
0.0397

319.0929,

 2.3292, 2.1016,

326.0616, 218.5662

0.0000

377.4398,
386.2990, 266.5079

■ 0.8096, 0.6655,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.8926, 68.0104,
31.0217

■ 67.8926, 68.0104,
31.0217

■ 64.0880, 62.8351,
22.2509

■ 72.2694, 73.6495,
42.0827

■ 60.8164, 58.0961,
15.5982

■ 77.2444, 79.7589,
55.5810

■ 58.0406, 53.7769,
10.8731

■ 82.8477, 86.3573,
71.6560

■ 55.7149, 49.8550,
7.8490

■ 89.1060, 93.4588,
90.4354

■ 53.7755, 46.3005, 95.0499, 99.9999,
6.2032 108.9000

■ 53.5280, 45.8362,
6.0260

Harmonies

Analogous

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



78.0031, 68.0104, 38.2832



67.8926, 68.0104, 31.0217



57.8961, 68.0104, 32.6819

Triad

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



67.8926, 68.0104, 31.0217



47.8414, 68.0104, 95.9459



81.1964, 68.0104, 116.0597

Complementary

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



67.8926, 68.0104, 31.0217



43.3299, 43.8844, 100.7943

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.



71.8922, 68.0104, 140.7244



67.8926, 68.0104, 31.0217



52.9008, 68.0104, 127.1363

Square

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



67.8926, 68.0104, 31.0217



47.0137, 68.0104, 65.2660



61.4965, 68.0104, 145.2427



86.2032, 68.0104, 83.5926

Rectangle

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



67.8926, 68.0104, 31.0217



52.5771, 68.0104, 38.8600



61.4965, 68.0104, 145.2427



78.4240, 68.0104, 125.8632

Sweetspot

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



67.8943, 68.0136, 31.0231



85.0405, 88.8740, 78.1476



57.4462, 40.7290, 47.2352



17.9271, 18.7078, 15.9098



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.



67.8943, 68.0136, 31.0231



64.3106, 63.1466, 22.7365



75.9733, 91.7773, 35.1841



18.9490, 19.8662, 18.9802



28.1182, 24.2476, 3.1983



2.8432, 2.5717, 0.3465

Inverse Universe

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



43.3299, 43.8844, 100.7943



37.2496, 36.6004, 99.7091



37.9264, 29.5156, 98.3056



17.5672, 18.5059, 22.8961



11.7801, 8.4698, 50.4485



1.2483, 1.0272, 4.9458

Previews

White Background



This preview shows how the XYZ color 67.8926, 68.0104, 31.0217 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 67.8926, 68.0104, 31.0217 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 67.8926, 68.0104, 31.0217

Background



This preview shows how black text looks on a background with the XYZ color 67.8926, 68.0104, 31.0217.



This preview shows how white text looks on a background with the XYZ color 67.8926, 68.0104,

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

67.8926, 68.0104, 31.0217

Protanopia

62.8645, 67.9843, 32.3632

Deuteranopia

68.8193, 67.9922, 37.1004



Tritanopia

74.2642, 67.8883, 72.8079

Trichromacy



Original Color

67.8926, 68.0104, 31.0217

Protanomaly

64.3951, 67.6577, 31.8556

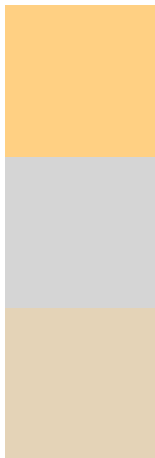
Deuteranomaly

68.3605, 67.8087, 34.6847

Tritanomaly

71.4846, 67.9064, 54.6870

Monochromacy



Original Color

67.8926, 68.0104, 31.0217

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

63.8364, 66.5014, 54.2713

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8926, 68.0104, 31.0217 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, 208, 131)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 131)  
}
```

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, 208, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 131) }
```

Border

The CSS property to change the border of an element to XYZ 67.8926, 68.0104, 31.0217 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, 208, 131) }
```


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

```
.border{ border-color:rgb(255, 208, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 208, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 208, 131); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 208, 131); box-shadow:4px 4px 4px 4px rgb(255, 208, 131) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8926, 68.0104, 31.0217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 208, 131) }
```

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

```
.background{ background-color: rgb(255,  
208, 131) }
```

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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