

Converting Colors

XYZ(89.3618, 77.8428, 30.8594)

Have a look what the booklet for
XYZ(89.3618, 77.8428, 30.8594)
contains.

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Color

**XYZ(66.7291, 66.0042,
29.6452)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCC80
RGB	255, 204, 128
RGB Percent	100%, 80%, 50%
CMY	0.0000, 0.2000, 0.4980
CMYK	0.00, 0.20, 0.50, 0.00
HSL	36°, 100%, 75%
HSV	36°, 50%, 100%
XYZ	66.7291, 66.0042, 29.6452
YIQ	210.5850, 54.7920, -12.8240

Conversions

Conversions Part 2

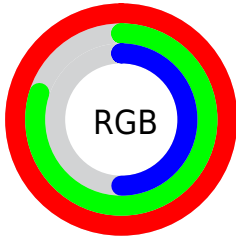
Format	Color
R_{YB}	213, 255, 128
Decimal	16764032
CIE _{Lab}	85.00, 9.05, 44.51
CIE _{LCh}	85, 45.419, 78.507
Yxy	66.0042, 0.4109, 0.4065
Android (android.graphics.Color)	4294954112 (0xFFFFCC80)
YUV	210.5850, -40.7144, 38.9520
Hunter-Lab	81.2430, 4.4362, 35.2354

Details

The XYZ color **66.7291, 66.0042, 29.6452** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **43.0715, 44.0477, 100.8393**, and the grayscale version is **61.8791, 65.1017, 70.8957**.

A 20% lighter version of the original color is **85.4435, 96.1574, 58.3128**, and **35.0109, 34.0843, 11.7548** is the 20% darker color. If you saturate the color by 10%, you get **62.9032, 60.7095, 21.1042**, and if you desaturate by 10%, it is **71.1399, 71.7940, 40.4631**.

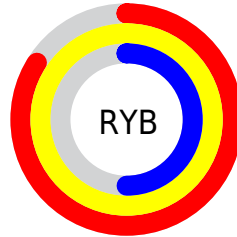
Distribution



Red (100%)

Green (80%)

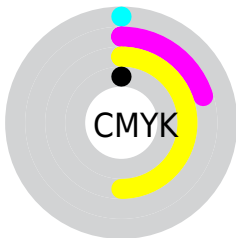
Blue (50%)



Red (84%)

Yellow (100%)

Blue (50%)

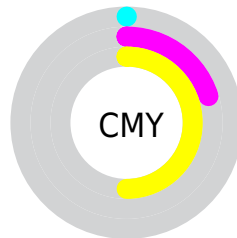


Cyan (0%)

Magenta (20%)

Yellow (50%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.7291, 66.0042, 29.6452 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 66.7291, 66.0042, 29.6452 by changing the saturation by 10% instead.


 66.7291, 66.0042,
29.6452

 66.7291, 66.0042,
29.6452


438.4275,
446.3919, 314.4028


 49.1344, 48.2758,
19.3197


 113.5841,
113.4924, 60.1550

 34.9411, 34.0454,
11.7224


 143.5751,
144.0209, 81.1763

 23.7838, 22.9284,
6.4347


 178.4289,
179.5850, 106.6000

 15.2972, 14.5407,
3.0381

218.5109,
220.5690, 136.8446

 9.1159, 8.4977,
1.1141

264.1864,
267.3573, 172.3287

 4.8746, 4.4150,
0.0000

315.8207,

 2.2079, 1.9083,

320.3343, 213.4707

0.0000

373.7793,
379.8843, 260.6892

■ 0.7469, 0.5534,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.7291, 66.0042,
29.6452

■ 66.7291, 66.0042,
29.6452

■ 62.9032, 60.7095,
21.1042

■ 71.1399, 71.7940,
40.4631

■ 59.6222, 55.8813,
14.6654

■ 76.1628, 78.0868,
53.7071

■ 56.8477, 51.5018,
10.1350

■ 81.8285, 84.9021,
69.5180

■ 54.5325, 47.5469,
7.2807

■ 88.1641, 92.2553,
88.0248

■ 52.6030, 43.9819,
5.7313

95.0498, 99.9999,
108.9000

■ 52.5673, 43.9149,
5.7058

Harmonies

Analogous

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



76.6640, 66.0042, 37.4386



66.7291, 66.0042, 29.6452



56.7063, 66.0042, 30.6430

Triad

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



66.7291, 66.0042, 29.6452



45.8963, 66.0042, 91.2366



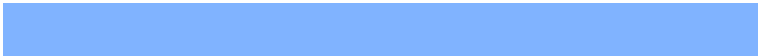
78.6222, 66.0042, 115.9332

Complementary

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



66.7291, 66.0042, 29.6452



43.0715, 44.0477, 100.8393

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.



69.1766, 66.0042, 139.4710



66.7291, 66.0042, 29.6452



50.6045, 66.0042, 122.7551

Square

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



66.7291, 66.0042, 29.6452



45.3933, 66.0042, 61.2353



58.9036, 66.0042, 142.2602



84.0113, 66.0042, 83.6639

Rectangle

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



66.7291, 66.0042, 29.6452



51.2865, 66.0042, 36.2326



58.9036, 66.0042, 142.2602



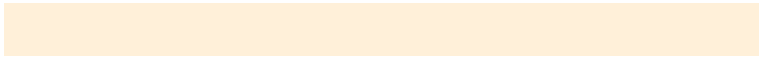
75.7718, 66.0042, 125.4654

Sweetspot

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



66.7307, 66.0074, 29.6465



84.7865, 88.3661, 78.0629



57.2914, 40.0317, 48.3792



17.8658, 18.5853, 15.8893



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.



66.7307, 66.0074, 29.6465



62.8336, 60.6101, 20.9576



77.1092, 92.3859, 34.1911



18.9135, 19.7953, 18.9684



27.6179, 23.2470, 3.0315



2.7961, 2.4776, 0.3309

Inverse Universe

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



43.0715, 44.0477, 100.8393



36.7038, 36.3935, 99.6979



36.3478, 28.1123, 98.1178



17.6016, 18.5749, 22.9075



12.0709, 9.0513, 50.5455



1.2789, 1.0884, 4.9560

Previews

White Background



This preview shows how the XYZ color 66.7291, 66.0042, 29.6452 looks on a white background.

Color Contrast Check

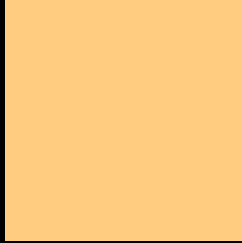
Large Text (above 18pt) WCAG AA × Fail

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 66.7291, 66.0042, 29.6452 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 66.7291, 66.0042, 29.6452

Background



This preview shows how black text looks on a background with the XYZ color 66.7291, 66.0042, 29.6452.



This preview shows how white text looks on a background with the XYZ color 66.7291, 66.0042,

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

66.7291, 66.0042, 29.6452

Protanopia

61.1697, 66.3830, 31.0619

Deuteranopia

67.2768, 66.2233, 32.5291



Tritanopia

72.8391, 65.8456, 69.8432

Trichromacy



Original Color

66.7291, 66.0042, 29.6452

Protanomaly

63.0110, 66.2302, 30.5818

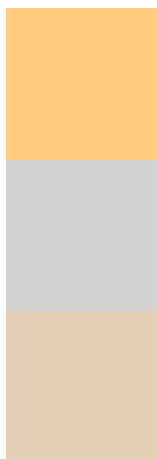
Deuteranomaly

67.0665, 66.1392, 31.4217

Tritanomaly

70.1325, 65.8638, 52.1966

Monochromacy



Original Color

66.7291, 66.0042, 29.6452

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

62.5749, 64.7788, 52.9216

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.7291, 66.0042, 29.6452 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, 204, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 128)  
}
```

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, 204, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 128) }
```

Border

The CSS property to change the border of an element to XYZ 66.7291, 66.0042, 29.6452 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, 204, 128) }
```


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

```
.border{ border-color:rgb(255, 204, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 204, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 204, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 204, 128); box-shadow:4px 4px 4px 4px rgb(255, 204, 128) }
```

Background

The CSS property to change the background color of an element to XYZ 66.7291, 66.0042, 29.6452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 128) }
```

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

```
.background{ background-color: rgb(255,  
204, 128) }
```

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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