

Converting Colors

XYZ(97.9204, 84.7410, 22.9608)

Have a look what the booklet for
XYZ(97.9204, 84.7410, 22.9608)
contains.

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Color

**XYZ(66.7864, 68.7494,
21.5543)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD363
RGB	255, 211, 99
RGB Percent	100%, 83%, 39%
CMY	0.0000, 0.1725, 0.6118
CMYK	0.00, 0.17, 0.61, 0.00
HSL	43°, 100%, 69%
HSV	43°, 61%, 100%
XYZ	66.7864, 68.7494, 21.5543
YIQ	211.3880, 62.1760, -25.5040

Conversions

Conversions Part 2

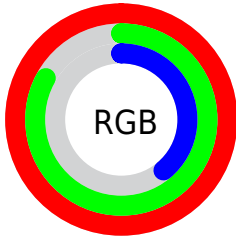
Format	Color
RYB	160, 255, 99
Decimal	16765795
CIELab	86.38, 3.22, 59.96
CIElCh	86, 60.042, 86.923
Yxy	68.7494, 0.4251, 0.4376
Android (android.graphics.Color)	4294955875 (0xFFFFD363)
YUV	211.3880, -55.4073, 38.2477
Hunter-Lab	82.9153, -1.3239, 42.6279

Details

The XYZ color **66.7864, 68.7494, 21.5543** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **33.0177, 29.5164, 98.5643**, and the grayscale version is **62.5016, 65.7565, 71.6089**.

A 20% lighter version of the original color is **82.7498, 95.0799, 44.1279**, and **35.0363, 35.9055, 7.5665** is the 20% darker color. If you saturate the color by 10%, you get **64.0082, 64.8457, 15.5340**, and if you desaturate by 10%, it is **70.0326, 72.9735, 29.6302**.

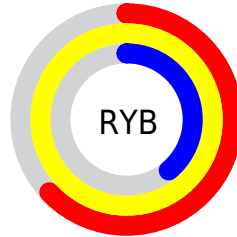
Distribution



Red (100%)

Green (83%)

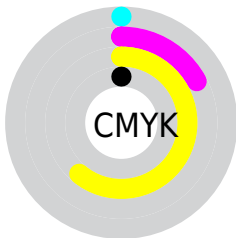
Blue (39%)



Red (63%)

Yellow (100%)

Blue (39%)

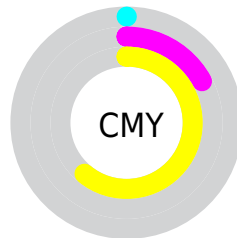


Cyan (0%)

Magenta (17%)

Yellow (61%)

Black (0%)



Cyan (0%)


Magenta (17%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.7864, 68.7494, 21.5543 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 66.7864, 68.7494, 21.5543 by changing the saturation by 10% instead.


 66.7864, 68.7494,
21.5543

 66.7864, 68.7494,
21.5543


438.6285,
456.1466, 273.0870

 49.1811, 50.5076,
13.3346


 113.6658,
117.4236, 46.9009


 34.9783, 35.8169,
7.5259


 143.6706,
148.6248, 64.8650

 23.8126, 24.2928,
3.7097


 178.5393,
184.9146, 86.9142

 15.3186, 15.5510,
1.4675

 218.6372,
226.6774, 113.4671

 9.1311, 9.2070,
0.1935

264.3298,
274.2976, 144.9423

 4.8846, 4.8764,
0.0000

315.9823,

 2.2138, 2.1749,

328.1596, 181.7583

0.0000

373.9601,
388.6478, 224.3337

■ 0.7500, 0.7063,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.7864, 68.7494,
21.5543

■ 66.7864, 68.7494,
21.5543

■ 64.0082, 64.8457,
15.5340

■ 70.0326, 72.9735,
29.6302

■ 61.6544, 61.2354,
11.3667

■ 73.7756, 77.5232,
39.9305

■ 59.6804, 57.9015,
8.8154

■ 78.0475, 82.4155,
52.6112

■ 58.1912, 55.1627,
7.5805

■ 82.8757, 87.6630,
67.8128

■ 88.2858, 93.2775,
85.6650

■ 94.3017, 99.2699,
106.2886

■ 95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



81.0087, 68.7494, 27.3592



66.7864, 68.7494, 21.5543



53.9960, 68.7494, 25.3163

Triad

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



66.7864, 68.7494, 21.5543



44.3313, 68.7494, 115.0446



90.3388, 68.7494, 124.7640

Complementary

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



66.7864, 68.7494, 21.5543



33.0177, 29.5164, 98.5643

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.



78.1805, 68.7494, 165.7084



66.7864, 68.7494, 21.5543



51.8417, 68.7494, 158.8411

Square

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



66.7864, 68.7494, 21.5543



42.1652, 68.7494, 70.8306



63.9230, 68.7494, 179.9748



95.7604, 68.7494, 79.0319

Rectangle

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



66.7864, 68.7494, 21.5543



47.7340, 68.7494, 33.8671



63.9230, 68.7494, 179.9748



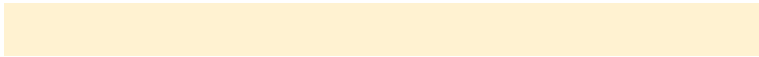
86.8269, 68.7494, 140.0859

Sweetspot

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



66.7880, 68.7527, 21.5557



84.5297, 89.4058, 73.1884



50.6752, 32.1735, 29.6062



17.7680, 18.7944, 14.6087



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.



66.7880, 68.7527, 21.5557



63.5484, 64.1656, 14.6417



67.8919, 87.8241, 25.1786



19.1029, 20.1739, 19.0315



30.5394, 29.0900, 4.0053



3.0662, 3.0178, 0.4209

Inverse Universe

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



33.0177, 29.5164, 98.5643



27.3731, 22.2388, 97.4575



32.1537, 21.1147, 96.9881



17.4201, 18.2117, 22.8470



10.7476, 6.4048, 50.1044



1.1343, 0.7992, 4.9078

Previews

White Background



This preview shows how the XYZ color 66.7864, 68.7494, 21.5543 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 66.7864, 68.7494, 21.5543 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 66.7864, 68.7494, 21.5543

Background



This preview shows how black text looks on a background with the XYZ color 66.7864, 68.7494, 21.5543.



This preview shows how white text looks on a background with the XYZ color 66.7864, 68.7494,

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

66.7864, 68.7494, 21.5543

Protanopia

63.0970, 69.0906, 22.3222

Deuteranopia

68.9984, 68.8441, 35.6382



Tritanopia

74.7335, 68.8269, 72.9644

Trichromacy



Original Color

66.7864, 68.7494, 21.5543

Protanomaly

64.2569, 68.9335, 21.9754

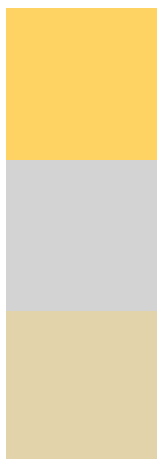
Deuteranomaly

68.1174, 68.8855, 29.7847

Tritanomaly

70.7577, 68.3812, 48.4993

Monochromacy



Original Color

66.7864, 68.7494, 21.5543

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

62.2285, 65.8217, 47.4553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.7864, 68.7494, 21.5543 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, 211, 99)` looks like.

```
.text, #text, p{  
    color:rgb(255, 211, 99)  
}
```

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, 211, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 211, 99) }
```

Border

The CSS property to change the border of an element to XYZ 66.7864, 68.7494, 21.5543 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, 211, 99) }
```


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

```
.border{ border-color:rgb(255, 211, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 211, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 211, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 211, 99);  
box-shadow:4px 4px 4px 4px rgb(255, 211,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 66.7864, 68.7494, 21.5543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 211, 99) }
```

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

```
.background{ background-color: rgb(255,  
211, 99) }
```

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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