

Converting Colors

XYZ(67.3403, 69.8227, 21.8454)

Have a look what the booklet for
XYZ(67.3403, 69.8227, 21.8454)
contains.

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Color

**XYZ(67.2864, 69.7494,
21.7210)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD563
RGB	255, 213, 99
RGB Percent	100%, 84%, 39%
CMY	0.0000, 0.1647, 0.6118
CMYK	0.00, 0.16, 0.61, 0.00
HSL	44°, 100%, 69%
HSV	44°, 61%, 100%
XYZ	67.2864, 69.7494, 21.7210
YIQ	212.5620, 61.6260, -26.5500

Conversions

Conversions Part 2

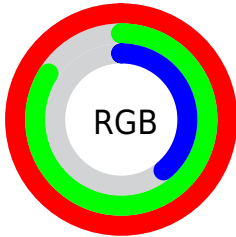
Format	Color
RYB	156, 255, 99
Decimal	16766307
CIELab	86.87, 2.20, 60.51
CIELCh	87, 60.548, 87.918
Yxy	69.7494, 0.4238, 0.4393
Android (android.graphics.Color)	4294956387 (0xFFFFD563)
YUV	212.5620, -55.9861, 37.2181
Hunter-Lab	83.5161, -2.3411, 43.0410

Details

The XYZ color **67.2864, 69.7494, 21.7210** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **32.7201, 28.9213, 98.4651**, and the grayscale version is **63.2880, 66.5839, 72.5099**.

A 20% lighter version of the original color is **82.7498, 95.0799, 44.1279**, and **35.3584, 36.5802, 7.5800** is the 20% darker color. If you saturate the color by 10%, you get **64.5648, 65.9589, 15.7196**, and if you desaturate by 10%, it is **70.4692, 73.8467, 29.7758**.

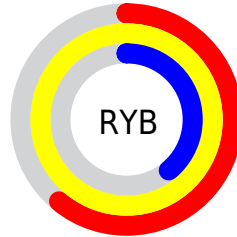
Distribution



Red (100%)

Green (84%)

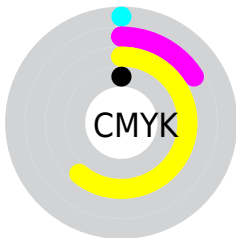
Blue (39%)



Red (61%)

Yellow (100%)

Blue (39%)

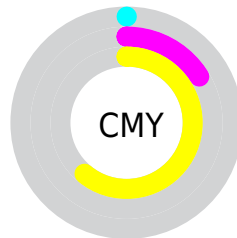


Cyan (0%)

Magenta (16%)

Yellow (61%)

Black (0%)



Cyan (0%)


Magenta (16%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.2864, 69.7494, 21.7210 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 67.2864, 69.7494, 21.7210 by changing the saturation by 10% instead.


 67.2864, 69.7494,
21.7210

 67.2864, 69.7494,
21.7210


440.3800,
459.6696, 273.9916

 49.5890, 51.3223,
13.4557


 114.3782,
118.8513, 47.1807


 35.3034, 36.4651,
7.6087


 144.5033,
150.2949, 65.2122

 24.0643, 24.7936,
3.7614


 179.5017,
186.8460, 87.3361

 15.5063, 15.9234,
1.4954

 219.7387,
228.8892, 113.9710

 9.2641, 9.4700,
0.2145

265.5797,
276.8087, 145.5355

 4.9723, 5.0490,
0.0000

317.3900,

 2.2656, 2.2760,

330.9890, 182.4481

0.0000

375.5350,
391.8145, 225.1272

■ 0.7770, 0.7610,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.2864, 69.7494,
21.7210

■ 67.2864, 69.7494,
21.7210

■ 64.5648, 65.9589,
15.7196

■ 70.4692, 73.8467,
29.7758

■ 62.2608, 62.4483,
11.5689


■ 74.1418, 78.2556,
40.0527


■ 60.3301, 59.2011,
9.0320

■ 78.3362, 82.9929,
52.7075

■ 58.8738, 56.5280,
7.8080

■ 83.0797, 88.0709,
67.8809

 88.3977, 93.5011,
85.7024

 94.3139, 99.2944,
106.2928

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.



81.7902, 69.7494, 27.2697



67.2864, 69.7494, 21.7210



54.3754, 69.7494, 25.8668

Triad

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



67.2864, 69.7494, 21.7210



45.0772, 69.7494, 118.4899



92.0691, 69.7494, 125.1972

Complementary

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



67.2864, 69.7494, 21.7210



32.7201, 28.9213, 98.4651

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.



79.8398, 69.7494, 167.4832



67.2864, 69.7494, 21.7210



52.8915, 69.7494, 162.7406

Square

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



67.2864, 69.7494, 21.7210



42.6906, 69.7494, 73.1541



65.3128, 69.7494, 183.1990



97.3054, 69.7494, 78.8065

Rectangle

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



67.2864, 69.7494, 21.7210



48.1130, 69.7494, 34.8362



65.3128, 69.7494, 183.1990



88.5616, 69.7494, 140.9048

Sweetspot

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



67.2880, 69.7527, 21.7224



84.7052, 89.7568, 73.2469



50.6752, 32.1735, 29.6062



17.8111, 18.8807, 14.6231



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.



67.2880, 69.7527, 21.7224



64.1146, 65.2980, 14.8304



67.8919, 87.8241, 25.1787



19.1234, 20.2149, 19.0383



30.8929, 29.7971, 4.1232



3.0983, 3.0820, 0.4316

Inverse Universe

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



32.7201, 28.9213, 98.4651



27.0856, 21.6638, 97.3617



32.1538, 21.1148, 96.9881



17.4007, 18.1731, 22.8406



10.6365, 6.1826, 50.0673



1.1213, 0.7732, 4.9034

Previews

White Background



This preview shows how the XYZ color 67.2864, 69.7494, 21.7210 looks on a white background.

Color Contrast Check

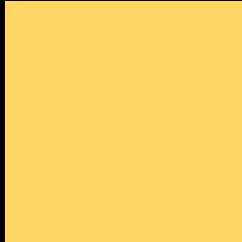
Large Text (above 18pt) WCAG AA × Fail

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 67.2864, 69.7494, 21.7210 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 67.2864, 69.7494, 21.7210

Background



This preview shows how black text looks on a background with the XYZ color 67.2864, 69.7494, 21.7210.



This preview shows how white text looks on a background with the XYZ color 67.2864, 69.7494,

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

67.2864, 69.7494, 21.7210

Protanopia

63.6960, 69.7832, 22.4243

Deuteranopia

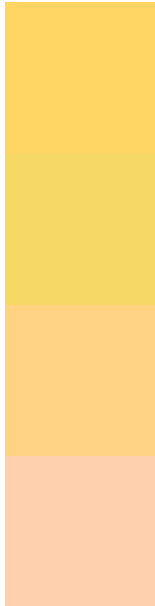
69.6319, 69.4913, 37.7601



Tritanopia

75.4660, 69.8805, 74.4765

Trichromacy



Original Color

67.2864, 69.7494, 21.7210

Protanomaly

64.8622, 69.6247, 22.0769

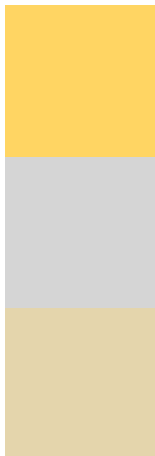
Deuteranomaly

68.5635, 69.4602, 30.9126

Tritanomaly

71.3387, 69.3889, 49.1686

Monochromacy



Original Color

67.2864, 69.7494, 21.7210

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

63.2356, 67.0610, 48.6409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.2864, 69.7494, 21.7210 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, 213, 99)` looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 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, 213, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 99) }
```

Border

The CSS property to change the border of an element to XYZ 67.2864, 69.7494, 21.7210 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, 213, 99) }
```


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

```
.border{ border-color:rgb(255, 213, 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, 213, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 213, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 213, 99);  
box-shadow:4px 4px 4px 4px rgb(255, 213,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 67.2864, 69.7494, 21.7210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 213, 99) }
```

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

```
.background{ background-color: rgb(255,  
213, 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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