

Converting Colors

XYZ(84.0094, 77.8709, 22.1229)

Have a look what the booklet for
XYZ(84.0094, 77.8709, 22.1229)
contains.

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Color

**XYZ(66.9881, 69.2288,
21.3871)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD462
RGB	255, 212, 98
RGB Percent	100%, 83%, 38%
CMY	0.0000, 0.1686, 0.6157
CMYK	0.00, 0.17, 0.62, 0.00
HSL	44°, 100%, 69%
HSV	44°, 62%, 100%
XYZ	66.9881, 69.2288, 21.3871
YIQ	211.8610, 62.2220, -26.3380

Conversions

Conversions Part 2

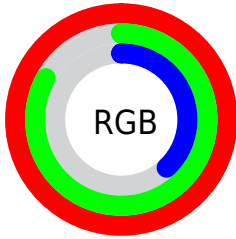
Format	Color
RYB	157, 255, 98
Decimal	16766050
CIELab	86.62, 2.65, 60.67
CIELCh	87, 60.725, 87.502
Yxy	69.2288, 0.4250, 0.4393
Android (android.graphics.Color)	4294956130 (0xFFFFD462)
YUV	211.8610, -56.1335, 37.8329
Hunter-Lab	83.2038, -1.8949, 43.0025

Details

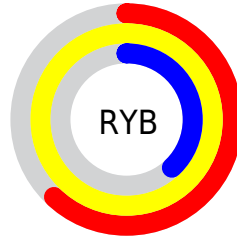
The XYZ color **66.9881, 69.2288, 21.3871** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **32.6116, 28.8654, 98.4600**, and the grayscale version is **62.8208, 66.0923, 71.9746**.

A 20% lighter version of the original color is **82.6675, 95.0470, 43.6946**, and **35.1686, 36.2302, 7.4251** is the 20% darker color. If you saturate the color by 10%, you get **64.2630, 65.4083, 15.4554**, and if you desaturate by 10%, it is **70.1754, 73.3603, 29.3658**.

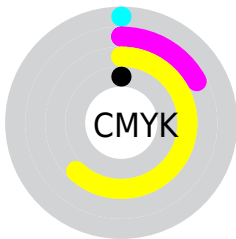
Distribution



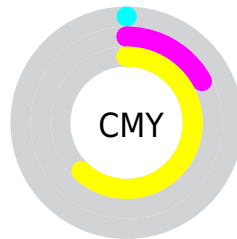
- Red (100%)
- Green (83%)
- Blue (38%)



- Red (62%)
- Yellow (100%)
- Blue (38%)



- Cyan (0%)
- Magenta (17%)
- Yellow (62%)
- Black (0%)





- Cyan (0%)
- Magenta (17%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.9881, 69.2288, 21.3871 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 66.9881, 69.2288, 21.3871 by changing the saturation by 10% instead.


 66.9881, 69.2288,
21.3871

 66.9881, 69.2288,
21.3871


439.3356,
457.8375, 272.1769

 49.3456, 50.8981,
13.2133


 113.9533,
118.1083, 46.6200


 35.1094, 36.1275,
7.4431


 144.0066,
149.4259, 64.5162

 23.9141, 24.5327,
3.6581


 178.9277,
185.8412, 86.4902

 15.3943, 15.7292,
1.4397

 219.0818,
227.7386, 112.9606

 9.1847, 9.3328,
0.1724

264.8342,
275.5026, 144.3459

 4.9199, 4.9589,
0.0000

316.5505,

 2.2346, 2.2231,

329.5174, 181.0647

0.0000

374.5958,
390.1676, 223.5355

■ 0.7609, 0.7326,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.9881, 69.2288,
21.3871

■ 66.9881, 69.2288,
21.3871

■ 64.2630, 65.4083,
15.4554

■ 70.1754, 73.3603,
29.3658

■ 61.9563, 61.8719,
11.3667

■ 73.8538, 77.8079,
39.5610

■ 60.0232, 58.6026,
8.8821

■ 78.0554, 82.5884,
52.1292

■ 58.6241, 56.0286,
7.7248

■ 82.8076, 87.7144,
67.2116

■ 88.1361, 93.1974,
84.9381

■ 94.0645, 99.0485,
105.4297

■ 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.



81.4606, 69.2288, 27.0385



66.9881, 69.2288, 21.3871



54.0619, 69.2288, 25.3665

Triad

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



66.9881, 69.2288, 21.3871



44.5702, 69.2288, 117.1998



91.4057, 69.2288, 125.2403

Complementary

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



66.9881, 69.2288, 21.3871



32.6116, 28.8654, 98.4600

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.



79.1246, 69.2288, 167.3069



66.9881, 69.2288, 21.3871



52.2871, 69.2288, 161.6169

Square

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



66.9881, 69.2288, 21.3871



42.2687, 69.2288, 72.0461



64.6258, 69.2288, 182.5462



96.7581, 69.2288, 78.8119

Rectangle

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



66.9881, 69.2288, 21.3871



47.7728, 69.2288, 34.1630



64.6258, 69.2288, 182.5462



87.8721, 69.2288, 140.9090

Sweetspot

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



66.9897, 69.2321, 21.3885



84.6414, 89.6292, 73.2256



50.5268, 31.9635, 29.2892



17.7954, 18.8494, 14.6179



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.



66.9897, 69.2321, 21.3885



63.6651, 64.5226, 14.2993



67.7784, 87.7711, 24.9253



19.1159, 20.2000, 19.0358



30.7636, 29.5384, 4.0801



3.0866, 3.0585, 0.4277

Inverse Universe

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



32.6116, 28.8654, 98.4600



26.7925, 21.3396, 97.3146



31.9366, 20.8630, 96.9510



17.4078, 18.1871, 22.8429



10.6762, 6.2620, 50.0806



1.1259, 0.7826, 4.9050

Previews

White Background



This preview shows how the XYZ color 66.9881, 69.2288, 21.3871 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 66.9881, 69.2288, 21.3871 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 66.9881, 69.2288, 21.3871

Background



This preview shows how black text looks on a background with the XYZ color 66.9881, 69.2288, 21.3871.



This preview shows how white text looks on a background with the XYZ color 66.9881, 69.2288,

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

66.9881, 69.2288, 21.3871

Protanopia

63.3887, 69.2466, 22.0816

Deuteranopia

69.3974, 69.3975, 36.5255



Tritanopia

75.0986, 69.3520, 73.7181

Trichromacy



Original Color

66.9881, 69.2288, 21.3871

Protanomaly

64.5586, 69.0946, 21.7384

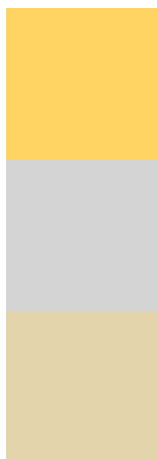
Deuteranomaly

68.4305, 69.4070, 30.2123

Tritanomaly

70.9992, 68.8642, 48.5798

Monochromacy



Original Color

66.9881, 69.2288, 21.3871

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

62.8891, 66.5212, 48.0533

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.9881, 69.2288, 21.3871 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, 212, 98)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 98)  
}
```

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, 212, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 98) }
```

Border

The CSS property to change the border of an element to XYZ 66.9881, 69.2288, 21.3871 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, 212, 98) }
```


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

```
.border{ border-color:rgb(255, 212, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 212, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 98);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 66.9881, 69.2288, 21.3871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 212, 98) }
```

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

```
.background{ background-color: rgb(255,  
212, 98) }
```

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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