

Converting Colors

XYZ(122.2357, 100.0000,
24.3702)

Have a look what the booklet for
XYZ(122.2357, 100.0000, 24.3702)
contains.

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Color

**XYZ(68.5160, 72.2846,
21.8964)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDA62
RGB	255, 218, 98
RGB Percent	100%, 85%, 38%
CMY	0.0000, 0.1451, 0.6157
CMYK	0.00, 0.15, 0.62, 0.00
HSL	46°, 100%, 69%
HSV	46°, 62%, 100%
XYZ	68.5160, 72.2846, 21.8964
YIQ	215.3830, 60.5720, -29.4760

Conversions

Conversions Part 2

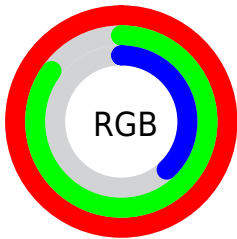
Format	Color
RYB	146, 255, 98
Decimal	16767586
CIELab	88.11, -0.41, 62.32
CIELCh	88, 62.319, 90.377
Yxy	72.2846, 0.4211, 0.4443
Android (android.graphics.Color)	4294957666 (0xFFFFDA62)
YUV	215.3830, -57.8698, 34.7441
Hunter-Lab	85.0204, -4.9365, 44.2445

Details

The XYZ color **68.5160, 72.2846, 21.8964** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **31.7507, 27.1437, 98.1731**, and the grayscale version is **65.2042, 68.5999, 74.7053**.

A 20% lighter version of the original color is **82.7498, 95.0799, 44.1279**, and **36.0389, 37.9709, 7.7152** is the 20% darker color. If you saturate the color by 10%, you get **65.9690, 68.8204, 16.0241**, and if you desaturate by 10%, it is **71.5063, 76.0221, 29.8095**.

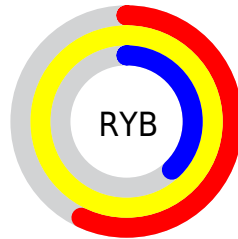
Distribution



Red (100%)

Green (85%)

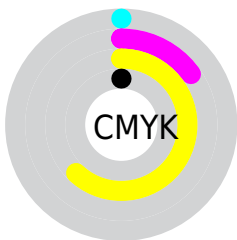
Blue (38%)



Red (57%)

Yellow (100%)

Blue (38%)

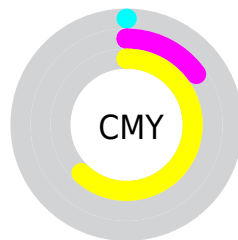


Cyan (0%)

Magenta (15%)

Yellow (62%)

Black (0%)



Cyan (0%)

Magenta (15%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.5160, 72.2846, 21.8964 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 68.5160, 72.2846, 21.8964 by changing the saturation by 10% instead.

68.5160, 72.2846,
21.8964

68.5160, 72.2846,
21.8964

444.6702,
468.5316, 274.9406

50.5928, 53.3912,
13.5832

116.1279,
122.4611, 47.4747

36.1044, 38.1152,
7.6959

146.5473,
154.5129, 65.5769

24.6853, 26.0721,
3.8160

181.8629,
191.7197, 87.7792

15.9702, 16.8776,
1.5250

222.4399,
234.4658, 114.5000

9.5938, 10.1472,
0.2364

268.6438,
283.1357, 146.1581

5.1907, 5.4967,
0.0000

320.8399,

2.3955, 2.5415,

338.1137, 183.1718

0.0000

379.3936,
399.7842, 225.9598

■ 0.8429, 0.8974,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.5160, 72.2846,
21.8964

■ 68.5160, 72.2846,
21.8964

■ 65.9690, 68.8204,
16.0241

■ 71.5063, 76.0221,
29.8095

■ 63.8218, 65.6028,
11.9885


■ 74.9683, 80.0367,
39.9325


■ 62.0298, 62.6157,
9.5509

■ 78.9337, 84.3450,
52.4221

■ 60.7357, 60.2517,
8.4286

■ 83.4298, 88.9587,
67.4191

 88.4817, 93.8888,
85.0534

 94.1130, 99.1454,
105.4461

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.



83.8465, 72.2846, 26.7865



68.5160, 72.2846, 21.8964



55.2219, 72.2846, 27.0505

Triad

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



68.5160, 72.2846, 21.8964



46.8501, 72.2846, 127.8661



96.7126, 72.2846, 126.5781

Complementary

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



68.5160, 72.2846, 21.8964



31.7507, 27.1437, 98.1731

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.



84.2199, 72.2846, 172.7285



68.5160, 72.2846, 21.8964



55.5047, 72.2846, 173.6419

Square

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



68.5160, 72.2846, 21.8964



43.8716, 72.2846, 79.2468



68.8930, 72.2846, 192.4373



101.4874, 72.2846, 78.1670

Rectangle

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



68.5160, 72.2846, 21.8964



48.9305, 72.2846, 37.1469



68.8930, 72.2846, 192.4373



93.1953, 72.2846, 143.4156

Sweetspot

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



68.5177, 72.2881, 21.8978



85.1673, 90.6809, 73.4009



50.1413, 31.8093, 27.2590



17.9249, 19.1082, 14.6610



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.



68.5177, 72.2881, 21.8978



65.4116, 68.0156, 14.8815



66.2098, 86.9625, 24.8519



19.1771, 20.3224, 19.0562



31.8564, 31.7240, 4.4443



3.1851, 3.2556, 0.4605

Inverse Universe

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



31.7507, 27.1437, 98.1731



25.9757, 19.7060, 97.0423



32.7759, 21.2957, 96.9903



17.3504, 18.0724, 22.8238



10.3723, 5.6543, 49.9793



1.0894, 0.7096, 4.8928

Previews

White Background



This preview shows how the XYZ color 68.5160, 72.2846, 21.8964 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 68.5160, 72.2846, 21.8964 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 68.5160, 72.2846, 21.8964

Background



This preview shows how black text looks on a background with the XYZ color 68.5160, 72.2846, 21.8964.



This preview shows how white text looks on a background with the XYZ color 68.5160, 72.2846,

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

68.5160, 72.2846, 21.8964

Protanopia

66.1146, 72.2066, 22.2570

Deuteranopia

71.8856, 72.3989, 43.4433



Tritanopia

77.0916, 72.0814, 78.2565

Trichromacy



Original Color

68.5160, 72.2846, 21.8964

Protanomaly

66.9123, 72.2270, 22.2189

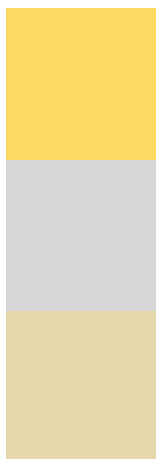
Deuteranomaly

70.3112, 72.1779, 33.8928

Tritanomaly

72.6200, 71.4816, 51.0441

Monochromacy



Original Color

68.5160, 72.2846, 21.8964

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.6354, 68.9133, 48.9247

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5160, 72.2846, 21.8964 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, 218, 98)` looks like.

```
.text, #text, p{  
    color:rgb(255, 218, 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, 218, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 218, 98) }
```

Border

The CSS property to change the border of an element to XYZ 68.5160, 72.2846, 21.8964 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, 218, 98) }
```


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

```
.border{ border-color:rgb(255, 218, 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, 218, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 218, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 218, 98);  
box-shadow:4px 4px 4px 4px rgb(255, 218,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5160, 72.2846, 21.8964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 218, 98) }
```

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

```
.background{ background-color: rgb(255,  
218, 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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