

Converting Colors

XYZ(70.6754, 73.2525, 22.4857)

Have a look what the booklet for
XYZ(70.6754, 73.2525, 22.4857)
contains.

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Color

**XYZ(68.6117, 72.3229,
22.4001)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDA64
RGB	255, 218, 100
RGB Percent	100%, 85%, 39%
CMY	0.0000, 0.1451, 0.6078
CMYK	0.00, 0.15, 0.61, 0.00
HSL	46°, 100%, 70%
HSV	46°, 61%, 100%
XYZ	68.6117, 72.3229, 22.4001
YIQ	215.6110, 59.9300, -28.8540

Conversions

Conversions Part 2

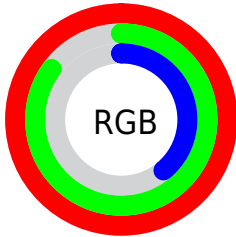
Format	Color
R_{YB}	149, 255, 100
Decimal	16767588
CIE _{Lab}	88.12, -0.28, 61.46
CIE _{LCh}	88, 61.458, 90.262
Yxy	72.3229, 0.4201, 0.4428
Android (android.graphics.Color)	4294957668 (0xFFFFDA64)
YUV	215.6110, -56.9962, 34.5442
Hunter-Lab	85.0429, -4.8131, 43.9132

Details

The XYZ color **68.6117, 72.3229, 22.4001** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **32.2510, 27.8198, 98.2773**, and the grayscale version is **65.3540, 68.7575, 74.8770**.

A 20% lighter version of the original color is **82.9164, 95.1466, 45.0053**, and **36.0765, 37.9859, 7.9132** is the 20% darker color. If you saturate the color by 10%, you get **66.0166, 68.8084, 16.3698**, and if you desaturate by 10%, it is **71.6544, 76.1147, 30.4861**.

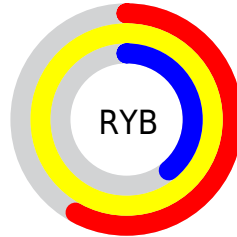
Distribution



Red (100%)

Green (85%)

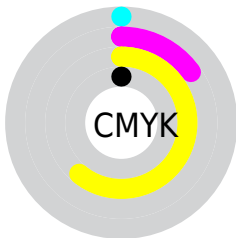
Blue (39%)



Red (58%)

Yellow (100%)

Blue (39%)

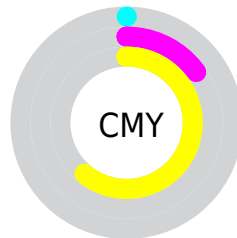


Cyan (0%)

Magenta (15%)

Yellow (61%)

Black (0%)



Cyan (0%)


Magenta (15%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.6117, 72.3229, 22.4001 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 68.6117, 72.3229, 22.4001 by changing the saturation by 10% instead.


 68.6117, 72.3229,
22.4001


 68.6117, 72.3229,
22.4001


445.0031,
468.6647, 277.6500

 50.6710, 53.4225,
13.9501


 116.2639,
122.5155, 48.3170


 36.1668, 38.1401,
7.9476


 146.7062,
154.5765, 66.6210

 24.7338, 26.0915,
3.9741


 182.0463,
191.7931, 89.0467

 16.0065, 16.8921,
1.6112

 222.6497,
234.5498, 116.0127

 9.6196, 10.1576,
0.2988

268.8817,
283.2309, 147.9374

 5.2078, 5.5036,
0.0000

321.1077,

 2.4057, 2.5456,

338.2208, 185.2396

0.0000

379.6931,
399.9039, 228.3376

■ 0.8480, 0.8994,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.6117, 72.3229,
22.4001

■ 68.6117, 72.3229,
22.4001

■ 66.0166, 68.8084,
16.3698

■ 71.6544, 76.1147,
30.4861

■ 63.8258, 65.5447,
12.1935


■ 75.1726, 80.1876,
40.7953

■ 61.9957, 62.5159,
9.6366

■ 79.1980, 84.5580,
53.4831

■ 60.5625, 59.9053,
8.3709

■ 83.7576, 89.2377,
68.6893

 88.8765, 94.2377,
86.5432

94.5780, 99.5681,
107.1650

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.



83.7213, 72.3229, 27.3295



68.6117, 72.3229, 22.4001



55.4690, 72.3229, 27.5126

Triad

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



68.6117, 72.3229, 22.4001



47.1209, 72.3229, 126.9405



96.2919, 72.3229, 126.0619

Complementary

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



68.6117, 72.3229, 22.4001



32.2510, 27.8198, 98.2773

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.



83.9767, 72.3229, 171.2921



68.6117, 72.3229, 22.4001



55.6631, 72.3229, 171.9137

Square

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



68.6117, 72.3229, 22.4001



44.1923, 72.3229, 79.1177



68.8700, 72.3229, 190.4666



101.0229, 72.3229, 78.3781

Rectangle

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



68.6117, 72.3229, 22.4001



49.2319, 72.3229, 37.5353



68.8700, 72.3229, 190.4666



92.8228, 72.3229, 142.5891

Sweetspot

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



68.6134, 72.3264, 22.4015



85.1253, 90.5969, 73.3869



50.4395, 32.2318, 27.8943



17.9145, 19.0875, 14.6575



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.



68.6134, 72.3264, 22.4015



65.4975, 68.0637, 15.2914



66.4533, 87.0770, 25.3626



19.1723, 20.3127, 19.0546



31.7668, 31.5448, 4.4145



3.1771, 3.2395, 0.4578

Inverse Universe

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



32.2510, 27.8198, 98.2773



26.4299, 20.3522, 97.1431



33.2136, 21.8027, 97.0652



17.3549, 18.0815, 22.8253



10.3947, 5.6990, 49.9867



1.0922, 0.7151, 4.8937

Previews

White Background



This preview shows how the XYZ color 68.6117, 72.3229, 22.4001 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 68.6117, 72.3229, 22.4001 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 68.6117, 72.3229, 22.4001

Background



This preview shows how black text looks on a background with the XYZ color 68.6117, 72.3229, 22.4001.



This preview shows how white text looks on a background with the XYZ color 68.6117, 72.3229, 22.4001.

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

68.6117, 72.3229, 22.4001

Protanopia

65.8616, 72.0650, 22.7506

Deuteranopia

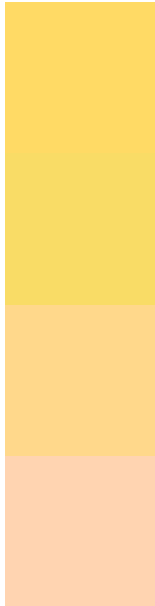
71.9735, 72.4341, 43.9060



Tritanopia

77.0916, 72.0814, 78.2565

Trichromacy



Original Color

68.6117, 72.3229, 22.4001

Protanomaly

67.0091, 72.2657, 22.7288

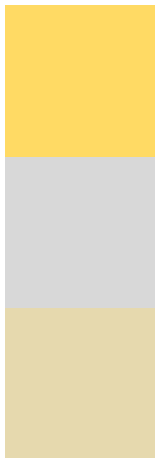
Deuteranomaly

70.4561, 72.2358, 34.6556

Tritanomaly

72.7193, 71.5213, 51.5672

Monochromacy



Original Color

68.6117, 72.3229, 22.4001

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

65.0860, 69.5047, 50.0297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6117, 72.3229, 22.4001 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, 100)` looks like.

```
.text, #text, p{  
    color:rgb(255, 218, 100)  
}
```

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, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 218, 100) }
```

Border

The CSS property to change the border of an element to XYZ 68.6117, 72.3229, 22.4001 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, 100) }
```


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

```
.border{ border-color:rgb(255, 218, 100) }
```

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, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 218, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 218, 100);  
box-shadow:4px 4px 4px 4px rgb(255, 218,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6117, 72.3229, 22.4001 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, 100) }
```

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

```
.background{ background-color: rgb(255,  
218, 100) }
```

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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