

Converting Colors

XYZ(68.5598, 72.0624, 22.8663)

Have a look what the booklet for
XYZ(68.5598, 72.0624, 22.8663)
contains.

XYZ(68.4511, 71.8450, 22.8301)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(68.4511, 71.8450,
22.8301)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD966
RGB	255, 217, 102
RGB Percent	100%, 85%, 40%
CMY	0.0000, 0.1490, 0.6000
CMYK	0.00, 0.15, 0.60, 0.00
HSL	45°, 100%, 70%
HSV	45°, 60%, 100%
XYZ	68.4511, 71.8450, 22.8301
YIQ	215.2520, 59.5630, -27.7090

Conversions

Conversions Part 2

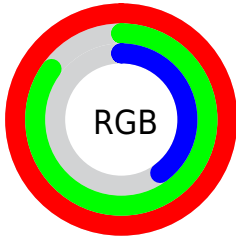
Format	Color
R_{YB}	153, 255, 102
Decimal	16767334
CIE _{Lab}	87.89, 0.36, 60.31
CIE _{LCh}	88, 60.311, 89.658
Yxy	71.8450, 0.4196, 0.4404
Android (android.graphics.Color)	4294957414 (0xFFFFD966)
YUV	215.2520, -55.8332, 34.8590
Hunter-Lab	84.7614, -4.1806, 43.3635

Details

The XYZ color **68.4511, 71.8450, 22.8301** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **32.9073, 28.7999, 98.4317**, and the grayscale version is **65.1021, 68.4925, 74.5884**.

A 20% lighter version of the original color is **83.0008, 95.1803, 45.4495**, and **35.9595, 37.6562, 8.1694** is the 20% darker color. If you saturate the color by 10%, you get **65.7753, 68.2157, 16.6298**, and if you desaturate by 10%, it is **71.5818, 75.7620, 31.1019**.

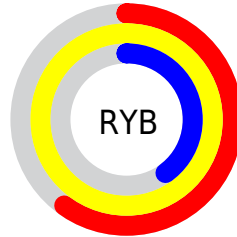
Distribution



Red (100%)

Green (85%)

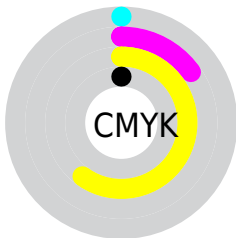
Blue (40%)



Red (60%)

Yellow (100%)

Blue (40%)

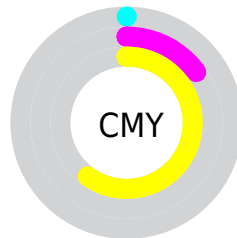


Cyan (0%)

Magenta (15%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (15%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.4511, 71.8450, 22.8301 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 68.4511, 71.8450, 22.8301 by changing the saturation by 10% instead.


 68.4511, 71.8450,
22.8301

 68.4511, 71.8450,
22.8301


444.4443,
467.0019, 279.9447


 50.5398, 53.0321,
14.2640


 116.0356,
121.8361, 49.0339


 36.0621, 37.8284,
8.1637


 146.4396,
153.7831, 67.5086

 24.6525, 25.8495,
4.1106


 181.7384,
190.8769, 90.1232

 15.9457, 16.7111,
1.6862

 222.2976,
233.5019, 117.2964

 9.5763, 10.0287,
0.3512

268.4824,
282.0426, 149.4466

 5.1791, 5.4180,
0.0000

320.6583,

 2.3885, 2.4945,

336.8832, 186.9923

0.0000

379.1904,
398.4081, 230.3522

■ 0.8394, 0.8739,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.4511, 71.8450,
22.8301

■ 68.4511, 71.8450,
22.8301

■ 65.7753, 68.2157,
16.6298

■ 71.5818, 75.7620,
31.1019

■ 63.5117, 64.8475,
12.3018

■ 75.1952, 79.9707,
41.6111

■ 61.6171, 61.7250,
9.6150

■ 79.3227, 84.4874,
54.5118

■ 60.0187, 58.8178,
8.1897

■ 83.9914, 89.3240,
69.9431

■ 60.0185, 58.8174,
8.1896

■ 89.2261, 94.4915,
88.0335

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.



83.1934, 71.8450, 27.9300



68.4511, 71.8450, 22.8301



55.5238, 71.8450, 27.6936

Triad

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



68.4511, 71.8450, 22.8301



47.0075, 71.8450, 124.2024



94.9724, 71.8450, 125.3159

Complementary

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



68.4511, 71.8450, 22.8301



32.9073, 28.7999, 98.4317

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.



82.8689, 71.8450, 168.9405



68.4511, 71.8450, 22.8301



55.2760, 71.8450, 168.1548

Square

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



68.4511, 71.8450, 22.8301



44.2458, 71.8450, 77.7570



68.1222, 71.8450, 186.8306



99.7586, 71.8450, 78.6989

Rectangle

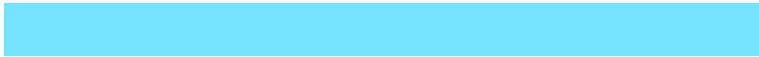
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.4511, 71.8450, 22.8301



49.3422, 71.8450, 37.4152



68.1222, 71.8450, 186.8306



91.5482, 71.8450, 141.3359

Sweetspot

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



68.4528, 71.8484, 22.8315



84.9920, 90.3305, 73.3425



50.7437, 32.6642, 28.5390



17.8817, 19.0219, 14.6466



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.



68.4528, 71.8484, 22.8315



65.2908, 67.5213, 15.6205



66.6993, 87.1924, 25.8856



19.1568, 20.2817, 19.0494



31.4854, 30.9821, 4.3207



3.1518, 3.1889, 0.4494

Inverse Universe

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



32.9073, 28.7999, 98.4317



27.0384, 21.2956, 97.2931



33.6594, 22.3208, 97.1415



17.3694, 18.1104, 22.8301



10.4678, 5.8452, 50.0111



1.1011, 0.7329, 4.8967

Previews

White Background



This preview shows how the XYZ color 68.4511, 71.8450, 22.8301 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 68.4511, 71.8450, 22.8301 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 68.4511, 71.8450, 22.8301

Background



This preview shows how black text looks on a background with the XYZ color 68.4511, 71.8450, 22.8301.



This preview shows how white text looks on a background with the XYZ color 68.4511, 71.8450,

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

68.4511, 71.8450, 22.8301

Protanopia

65.6129, 71.9253, 23.2568

Deuteranopia

71.5446, 71.8563, 42.8997



Tritanopia

76.7141, 71.5391, 77.4753

Trichromacy



Original Color

68.4511, 71.8450, 22.8301

Protanomaly

66.7528, 72.1221, 23.2347

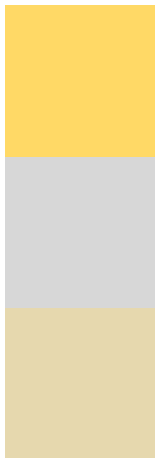
Deuteranomaly

70.1279, 71.6959, 34.1873

Tritanomaly

72.4701, 71.0229, 51.4842

Monochromacy



Original Color

68.4511, 71.8450, 22.8301

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.8290, 68.9907, 49.9441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4511, 71.8450, 22.8301 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, 217, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 102)  
}
```

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, 217, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 102) }
```

Border

The CSS property to change the border of an element to XYZ 68.4511, 71.8450, 22.8301 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, 217, 102) }
```


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

```
.border{ border-color:rgb(255, 217, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 217, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4511, 71.8450, 22.8301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 217, 102) }
```

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

```
.background{ background-color: rgb(255,  
217, 102) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor