

Converting Colors

XYZ(46.9761, 52.2864, 23.0048)

Have a look what the booklet for
XYZ(46.9761, 52.2864, 23.0048)
contains.

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Color

**XYZ(46.8964, 52.1471,
22.9229)**

Conversions

Conversions Part 1

Format	Color
Hex	CCC170
RGB	204, 193, 112
RGB Percent	80%, 76%, 44%
CMY	0.2000, 0.2431, 0.5608
CMYK	0.00, 0.05, 0.45, 0.20
HSL	53°, 47%, 62%
HSV	53°, 45%, 80%
XYZ	46.8964, 52.1471, 22.9229
YIQ	187.0550, 32.5570, -22.8590

Conversions

Conversions Part 2

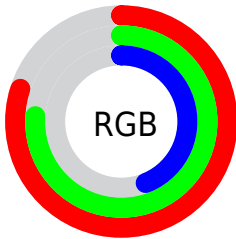
Format	Color
RYB	124, 204, 112
Decimal	13418864
CIELab	77.37, -7.35, 42.00
CIELCh	77, 42.642, 99.931
Yxy	52.1471, 0.3845, 0.4276
Android (android.graphics.Color)	4291608944 (0xFFCCC170)
YUV	187.0550, -37.0021, 14.8608
Hunter-Lab	72.2129, -10.4515, 31.7284

Details

The XYZ color **46.8964, 52.1471, 22.9229** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **24.6640, 21.9696, 60.0672**, and the grayscale version is **47.4556, 49.9270, 54.3705**.

A 20% lighter version of the original color is **81.9072, 91.7280, 48.9856**, and **22.4603, 25.3999, 8.2763** is the 20% darker color. If you saturate the color by 10%, you get **45.3528, 50.6763, 17.4254**, and if you desaturate by 10%, it is **48.7088, 53.7435, 29.7807**.

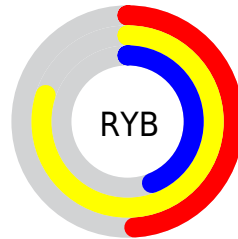
Distribution



Red (80%)

Green (76%)

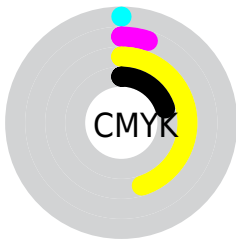
Blue (44%)



Red (49%)

Yellow (80%)

Blue (44%)

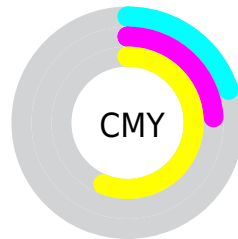


Cyan (0%)

Magenta (5%)

Yellow (45%)

Black (20%)



Cyan (20%)


Magenta (24%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8964, 52.1471, 22.9229 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 46.8964, 52.1471, 22.9229 by changing the saturation by 10% instead.


 46.8964, 52.1471,
22.9229


 46.8964, 52.1471,
22.9229


365.0567,
395.0042, 280.4378

 33.1614, 37.1223,
14.3318


 84.7786, 93.3481,
49.1883


 22.4099, 25.3022,
8.2104


 109.6566,
120.2932, 67.6997

 14.2767, 16.3024,
4.1402


 138.9795,
151.9805, 90.3549

 8.3964, 9.7384,
1.7026

 173.1128,
188.7944, 117.5726

 4.4035, 5.2258,
0.3625

212.4218,
231.1194, 149.7711

 1.9329, 2.3804,
0.0000

257.2719,

 0.5958, 0.8158,

279.3397, 187.3692

0.0000

308.0284,
333.8399, 230.7852

■ 0.0000, 0.0000,
0.0000

■ 46.8964, 52.1471,
22.9229

■ 46.8964, 52.1471,
22.9229

■ 45.3528, 50.6763,
17.4254

■ 48.7088, 53.7435,
29.7807

■ 44.0565, 49.3166,
13.1924

■ 50.8022, 55.4646,
38.0796

■ 42.9889, 48.0625,
10.1204


■ 53.1925, 57.3189,
47.8979


■ 42.1271, 46.9047,
8.0886


■ 55.8934, 59.3118,
59.3074


■ 41.4429, 45.8320,
6.9494

■ 58.9177, 61.4486,
72.3752

 41.1464, 45.3267,
6.5803

 62.2774, 63.7340,
87.1647

 65.9841, 66.1729,
103.7357

 66.6227, 67.3992,
104.1057

 67.2387, 68.6313,
104.3110

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.1693, 52.1471, 24.0686



46.8964, 52.1471, 22.9229



40.1239, 52.1471, 28.7324

Triad

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



46.8964, 52.1471, 22.9229



38.4383, 52.1471, 90.9438



65.8839, 52.1471, 73.7120

Complementary

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



46.8964, 52.1471, 22.9229



24.6640, 21.9696, 60.0672

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.



60.3801, 52.1471, 98.8816



46.8964, 52.1471, 22.9229



44.3523, 52.1471, 110.5789

Square

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



46.8964, 52.1471, 22.9229



35.6089, 52.1471, 64.9221



52.3314, 52.1471, 113.8282



66.7588, 52.1471, 49.3476

Rectangle

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



46.8964, 52.1471, 22.9229



37.1417, 52.1471, 37.0401



52.3314, 52.1471, 113.8282



64.4872, 52.1471, 82.5192

Sweetspot

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



46.8977, 52.1495, 22.9240



88.4797, 95.2183, 80.9407



34.3513, 25.8882, 22.3444



18.7417, 20.2318, 16.5053



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.



46.8977, 52.1495, 22.9240



75.2016, 84.0176, 29.1757



41.1530, 52.9314, 23.3777



12.0350, 12.8589, 11.9271



25.9434, 28.6197, 4.1568



1.3715, 1.5426, 0.2255

Inverse Universe

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



24.6640, 21.9696, 60.0672



33.9180, 28.0056, 98.2257



28.5004, 22.0352, 59.8777



10.7080, 11.0564, 14.1401



7.1068, 3.2376, 36.2066



0.4035, 0.2408, 1.8802

Previews

White Background



This preview shows how the XYZ color 46.8964, 52.1471, 22.9229 looks on a white background.

Color Contrast Check

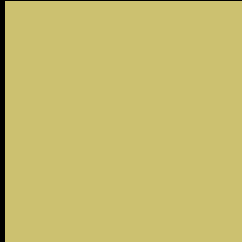
Large Text (above 18pt) WCAG AA × Fail

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 46.8964, 52.1471, 22.9229 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 46.8964, 52.1471, 22.9229

Background



This preview shows how black text looks on a background with the XYZ color 46.8964, 52.1471, 22.9229.



This preview shows how white text looks on a background with the XYZ color 46.8964, 52.1471,

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

46.8964, 52.1471, 22.9229

Protanopia

47.7945, 51.9646, 22.5501

Deuteranopia

53.0439, 51.8266, 23.1274



Tritanopia

54.4521, 52.0443, 59.9989

Trichromacy



Original Color

46.8964, 52.1471, 22.9229

Protanomaly

47.4510, 52.1124, 22.5967

Deuteranomaly

50.6637, 51.8397, 22.9586

Tritanomaly

51.2316, 51.9955, 43.4123

Monochromacy



Original Color

46.8964, 52.1471, 22.9229

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.5351, 50.2707, 40.5083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8964, 52.1471, 22.9229 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(204, 193, 112)` looks like.

```
.text, #text, p{  
    color:rgb(204, 193, 112)  
}
```

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(204, 193, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 193, 112) }
```

Border

The CSS property to change the border of an element to XYZ 46.8964, 52.1471, 22.9229 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(204, 193, 112) }
```


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

```
.border{ border-color:rgb(204, 193, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 193, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 193, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 193, 112);  
box-shadow:4px 4px 4px 4px rgb(204, 193,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8964, 52.1471, 22.9229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 193, 112) }
```

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

```
.background{ background-color: rgb(204,  
193, 112) }
```

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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