

Converting Colors

XYZ(46.5913, 52.3433, 23.0356)

Have a look what the booklet for
XYZ(46.5913, 52.3433, 23.0356)
contains.

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Color

**XYZ(46.5735, 52.3100,
22.9714)**

Conversions

Conversions Part 1

Format	Color
Hex	CAC270
RGB	202, 194, 112
RGB Percent	79%, 76%, 44%
CMY	0.2078, 0.2392, 0.5608
CMYK	0.00, 0.04, 0.45, 0.21
HSL	55°, 46%, 62%
HSV	55°, 45%, 79%
XYZ	46.5735, 52.3100, 22.9714
YIQ	187.0440, 31.0900, -23.8060

Conversions

Conversions Part 2

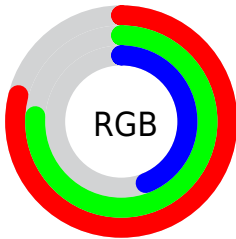
Format	Color
RYB	121, 202, 112
Decimal	13288048
CIELab	77.47, -8.68, 42.09
CIELCh	77, 42.972, 101.656
Yxy	52.3100, 0.3822, 0.4293
Android (android.graphics.Color)	4291478128 (0xFFCAC270)
YUV	187.0440, -36.9967, 13.1164
Hunter-Lab	72.3257, -11.6263, 31.7968

Details

The XYZ color **46.5735, 52.3100, 22.9714** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **24.0591, 21.1413, 58.6895**, and the grayscale version is **47.4500, 49.9210, 54.3640**.

A 20% lighter version of the original color is **82.2171, 92.3478, 49.0889**, and **22.2484, 25.5085, 8.3085** is the 20% darker color. If you saturate the color by 10%, you get **45.1762, 51.1178, 17.5657**, and if you desaturate by 10%, it is **48.2305, 53.6176, 29.7097**.

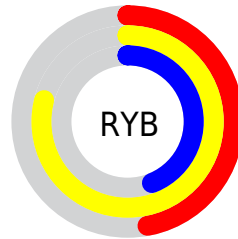
Distribution



Red (79%)

Green (76%)

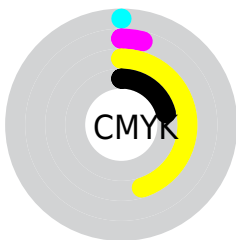
Blue (44%)



Red (47%)

Yellow (79%)

Blue (44%)

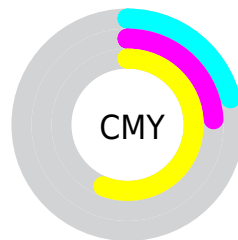


Cyan (0%)

Magenta (4%)

Yellow (45%)

Black (21%)



Cyan (21%)

Magenta (24%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5735, 52.3100, 22.9714 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 46.5735, 52.3100, 22.9714 by changing the saturation by 10% instead.

■ 46.5735, 52.3100,
22.9714

■ 46.5735, 52.3100,
22.9714

363.7869,
395.6322, 280.6952

■ 32.9051, 37.2522,
14.3673

■ 84.2993, 93.5883,
49.2690

■ 22.2127, 25.4028,
8.2349

■ 109.0874,
120.5775, 67.7995

■ 14.1307, 16.3774,
4.1557

■ 138.3128,
152.3128, 90.4759

■ 8.2940, 9.7916,
1.7111

■ 172.3409,
189.1784, 117.7168

■ 4.3370, 5.2610,
0.3684

211.5370,
231.5587, 149.9406

■ 1.8945, 2.4012,
0.0000

256.2665,

■ 0.5736, 0.8265,

279.8382, 187.5659

0.0000

306.8947,
334.4013, 231.0113

■ 0.0000, 0.0000,
0.0000

■ 46.5735, 52.3100,
22.9714

■ 46.5735, 52.3100,
22.9714

■ 45.1762, 51.1178,
17.5657

■ 48.2305, 53.6176,
29.7097

■ 44.0177, 50.0270,
13.3993

■ 50.1589, 55.0395,
37.8588

■ 43.0800, 49.0321,
10.3723


■ 52.3743, 56.5840,
47.4951


■ 42.3409, 48.1243,
8.3677


■ 54.8898, 58.2564,
58.6881


■ 41.7735, 47.2928,
7.2434

■ 57.7180, 60.0617,
71.5032

 41.5093, 46.8610,
6.8573

 60.8705, 62.0045,
86.0021

 64.3585, 64.0894,
102.2431

 65.0507, 65.0639,
103.7378

 65.4917, 65.9458,
103.8848

Harmonies

Analogous

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



54.8963, 52.3100, 23.7306



46.5735, 52.3100, 22.9714



39.8764, 52.3100, 29.2453

Triad

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



46.5735, 52.3100, 22.9714



38.7542, 52.3100, 92.9265



66.4011, 52.3100, 72.5342

Complementary

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



46.5735, 52.3100, 22.9714



24.0591, 21.1413, 58.6895

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.



61.0611, 52.3100, 98.2337



46.5735, 52.3100, 22.9714



44.8781, 52.3100, 112.0768

Square

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



46.5735, 52.3100, 22.9714



35.7083, 52.3100, 66.6672



53.0032, 52.3100, 114.2511



66.9854, 52.3100, 48.2381

Rectangle

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



46.5735, 52.3100, 22.9714



36.9899, 52.3100, 37.9473



53.0032, 52.3100, 114.2511



65.0773, 52.3100, 81.4436

Sweetspot

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



46.5748, 52.3124, 22.9725



89.2325, 96.1815, 82.8637



33.6028, 25.5259, 21.2458



18.9072, 20.4562, 16.8894



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.



46.5748, 52.3124, 22.9725



76.6702, 86.7107, 30.4175



39.7712, 51.5178, 23.1777



12.0653, 12.9196, 11.9373



26.7445, 30.2219, 4.4238



1.4053, 1.6102, 0.2367

Inverse Universe

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



24.0591, 21.1413, 58.6895



34.0065, 27.6655, 98.1554



28.6680, 22.1491, 58.6411



10.6805, 11.0015, 14.1310



7.0270, 3.0779, 36.1800



0.3908, 0.2153, 1.8759

Previews

White Background



This preview shows how the XYZ color 46.5735, 52.3100, 22.9714 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 46.5735, 52.3100, 22.9714 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 46.5735, 52.3100, 22.9714

Background



This preview shows how black text looks on a background with the XYZ color 46.5735, 52.3100, 22.9714.



This preview shows how white text looks on a background with the XYZ color 46.5735, 52.3100,

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

46.5735, 52.3100, 22.9714

Protanopia

48.0784, 52.1109, 22.5633

Deuteranopia

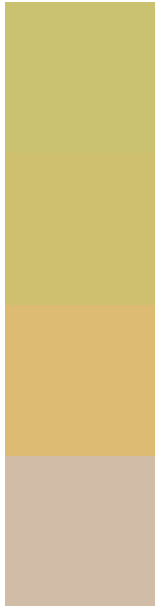
53.3067, 52.2606, 23.4974



Tritanopia

54.1975, 52.2071, 60.6465

Trichromacy



Original Color

46.5735, 52.3100, 22.9714

Protanomaly

47.4510, 52.1124, 22.5967

Deuteranomaly

50.6264, 52.1277, 23.3129

Tritanomaly

50.9707, 52.1664, 43.9419

Monochromacy



Original Color

46.5735, 52.3100, 22.9714

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.4968, 50.5714, 40.5683

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5735, 52.3100, 22.9714 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(202, 194, 112)` looks like.

```
.text, #text, p{  
    color:rgb(202, 194, 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(202, 194, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 194, 112) }
```

Border

The CSS property to change the border of an element to XYZ 46.5735, 52.3100, 22.9714 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(202, 194, 112) }
```


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

```
.border{ border-color:rgb(202, 194, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 194, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 194, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 194, 112);  
box-shadow:4px 4px 4px 4px rgb(202, 194,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5735, 52.3100, 22.9714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 194, 112) }
```

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

```
.background{ background-color: rgb(202,  
194, 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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