

Converting Colors

XYZ(45.9948, 53.0439, 23.2989)

Have a look what the booklet for
XYZ(45.9948, 53.0439, 23.2989)
contains.

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Color

**XYZ(45.9728, 52.9951,
23.4288)**

Conversions

Conversions Part 1

Format	Color
Hex	C5C571
RGB	197, 197, 113
RGB Percent	77%, 77%, 44%
CMY	0.2275, 0.2274, 0.5569
CMYK	0.00, 0.00, 0.43, 0.23
HSL	60°, 42%, 61%
HSV	60°, 43%, 77%
XYZ	45.9728, 52.9951, 23.4288
YIQ	187.4240, 26.9640, -26.1240

Conversions

Conversions Part 2

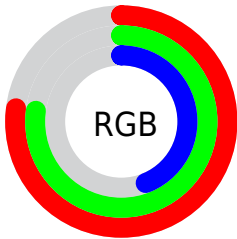
Format	Color
RYB	113, 197, 113
Decimal	12961137
CIELab	77.87, -12.14, 42.00
CIELCh	78, 43.720, 106.115
Yxy	52.9951, 0.3756, 0.4330
Android (android.graphics.Color)	4291151217 (0xFFC5C571)
YUV	187.4240, -36.6910, 8.3982
Hunter-Lab	72.7977, -14.6708, 31.8769

Details

The XYZ color **45.9728, 52.9951, 23.4288** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **22.7951, 19.3535, 55.3607**, and the grayscale version is **47.6651, 50.1474, 54.6105**.

A 20% lighter version of the original color is **83.5647, 94.8968, 49.9890**, and **21.8750, 25.7546, 8.5208** is the 20% darker color. If you saturate the color by 10%, you get **44.9822, 52.6007, 18.2083**, and if you desaturate by 10%, it is **47.2068, 53.4906, 29.9195**.

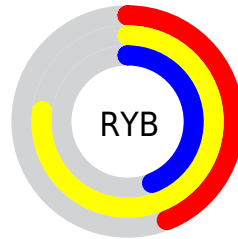
Distribution



Red (77%)

Green (77%)

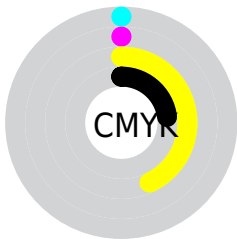
Blue (44%)



Red (44%)

Yellow (77%)

Blue (44%)

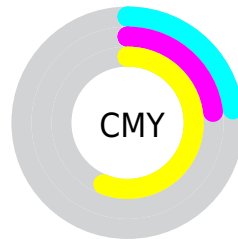


Cyan (0%)

Magenta (0%)

Yellow (43%)

Black (23%)



Cyan (23%)

Magenta (23%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9728, 52.9951, 23.4288 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 45.9728, 52.9951, 23.4288 by changing the saturation by 10% instead.

■ 45.9728, 52.9951,
23.4288

■ 45.9728, 52.9951,
23.4288

361.4171,
398.2663, 283.1128

■ 32.4289, 37.7989,
14.7022

■ 83.4064, 94.5972,
50.0286

■ 21.8464, 25.8266,
8.4663

■ 108.0268,
121.7718, 68.7388

■ 13.8601, 16.6940,
4.3027

■ 137.0701,
153.7079, 91.6139

■ 8.1045, 10.0165,
1.7929

170.9016,
190.7901, 119.0726

■ 4.2142, 5.4099,
0.4232

209.8867,
233.4026, 151.5332

■ 1.8240, 2.4897,
0.0000

254.3907,

■ 0.5321, 0.8715,

281.9299, 189.4145

0.0000

304.7791,
336.7563, 233.1348

■ 0.0000, 0.0000,
0.0000

■ 45.9728, 52.9951,
23.4288

■ 45.9728, 52.9951,
23.4288

■ 44.9822, 52.6007,
18.2083

■ 47.2068, 53.4906,
29.9195

■ 44.2153, 52.2939,
14.1717

■ 48.6946, 54.0858,
37.7524

■ 43.6558, 52.0701,
11.2274


■ 50.4508, 54.7883,
46.9982


■ 43.2835, 51.9211,
9.2690


■ 52.4875, 55.6031,
57.7217


■ 43.0743, 51.8374,
8.1688


■ 54.8164, 56.5346,
69.9836

 42.9913, 51.8042,
7.7333

 57.4483, 57.5875,
83.8412

 60.3936, 58.7656,
99.3490

 61.0462, 59.0267,
102.7835

 61.0465, 59.0269,
102.7836

Harmonies

Analogous

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



54.3909, 52.9951, 23.1715



45.9728, 52.9951, 23.4288



39.4950, 52.9951, 30.9784

Triad

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



45.9728, 52.9951, 23.4288



39.8784, 52.9951, 98.3922



67.9415, 52.9951, 69.6671

Complementary

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



45.9728, 52.9951, 23.4288



22.7951, 19.3535, 55.3607

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.



63.0783, 52.9951, 96.5667



45.9728, 52.9951, 23.4288



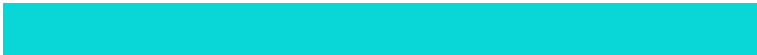
46.5528, 52.9951, 116.0418

Square

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



45.9728, 52.9951, 23.4288



36.2562, 52.9951, 71.6795



55.0395, 52.9951, 115.2929



67.7409, 52.9951, 45.6722

Rectangle

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



45.9728, 52.9951, 23.4288



36.8673, 52.9951, 40.7644



55.0395, 52.9951, 115.2929



66.8231, 52.9951, 78.7826

Sweetspot

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



45.9741, 52.9975, 23.4299



90.1639, 98.0455, 83.1744



31.9135, 24.8741, 18.7426



19.1401, 20.9223, 16.9671



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.



45.9741, 52.9975, 23.4299



80.6952, 94.2577, 33.3258



36.4665, 48.0962, 22.9850



11.5239, 12.4170, 11.3521



28.2757, 34.0719, 5.0863



1.3389, 1.6133, 0.2408

Inverse Universe

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



22.7951, 19.3535, 55.3607



33.8287, 26.2315, 97.8880



29.5023, 22.8112, 55.6746



10.0568, 10.2875, 13.3731



6.6289, 2.6516, 34.9068



0.3139, 0.1256, 1.6528

Previews

White Background



This preview shows how the XYZ color 45.9728, 52.9951, 23.4288 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 45.9728, 52.9951, 23.4288 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 45.9728, 52.9951, 23.4288

Background



This preview shows how black text looks on a background with the XYZ color 45.9728, 52.9951, 23.4288.



This preview shows how white text looks on a background with the XYZ color 45.9728, 52.9951,

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

45.9728, 52.9951, 23.4288

Protanopia

48.5828, 52.6959, 22.6497

Deuteranopia

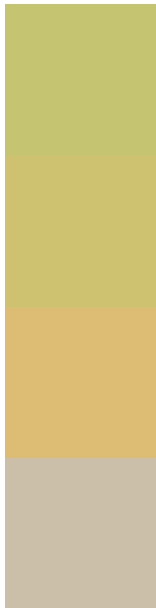
53.8971, 52.8656, 23.8864



Tritanopia

54.0451, 53.0231, 62.6443

Trichromacy



Original Color

45.9728, 52.9951, 23.4288

Protanomaly

47.6700, 52.8752, 23.0227

Deuteranomaly

50.8073, 52.8486, 23.7426

Tritanomaly

50.4208, 52.8227, 45.0745

Monochromacy



Original Color

45.9728, 52.9951, 23.4288

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.4618, 50.8760, 40.6290

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9728, 52.9951, 23.4288 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(197, 197, 113)` looks like.

```
.text, #text, p{  
    color:rgb(197, 197, 113)  
}
```

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(197, 197, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 197, 113) }
```

Border

The CSS property to change the border of an element to XYZ 45.9728, 52.9951, 23.4288 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(197, 197, 113) }
```


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

```
.border{ border-color:rgb(197, 197, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 197, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 197, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 197, 113);  
box-shadow:4px 4px 4px 4px rgb(197, 197,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9728, 52.9951, 23.4288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 197, 113) }
```

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

```
.background{ background-color: rgb(197,  
197, 113) }
```

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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