

Converting Colors

XYZ(45.2269, 51.8929, 20.0548)

Have a look what the booklet for
XYZ(45.2269, 51.8929, 20.0548)
contains.

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Color

**XYZ(45.4173, 52.1119,
19.9768)**

Conversions

Conversions Part 1

Format	Color
Hex	C7C365
RGB	199, 195, 101
RGB Percent	78%, 76%, 40%
CMY	0.2196, 0.2353, 0.6039
CMYK	0.00, 0.02, 0.49, 0.22
HSL	58°, 47%, 59%
HSV	58°, 49%, 78%
XYZ	45.4173, 52.1119, 19.9768
YIQ	185.4800, 32.5580, -28.3860

Conversions

Conversions Part 2

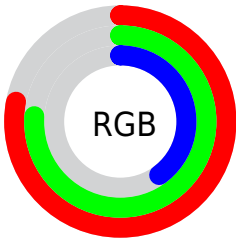
Format	Color
RYB	105, 199, 101
Decimal	13091685
CIELab	77.35, -11.46, 47.30
CIELCh	77, 48.668, 103.622
Yxy	52.1119, 0.3865, 0.4435
Android (android.graphics.Color)	4291281765 (0xFFC7C365)
YUV	185.4800, -41.6486, 11.8570
Hunter-Lab	72.1886, -14.0271, 34.1246

Details

The XYZ color **45.4173, 52.1119, 19.9768** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **20.7273, 16.9930, 56.2203**, and the grayscale version is **46.5951, 49.0216, 53.3846**.

A 20% lighter version of the original color is **81.5699, 92.5875, 44.1438**, and **21.5764, 25.4159, 6.7862** is the 20% darker color. If you saturate the color by 10%, you get **44.3772, 51.4077, 15.3886**, and if you desaturate by 10%, it is **46.6969, 52.9173, 25.8108**.

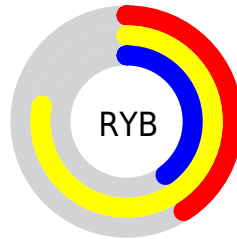
Distribution



Red (78%)

Green (76%)

Blue (40%)



Red (41%)

Yellow (78%)

Blue (40%)

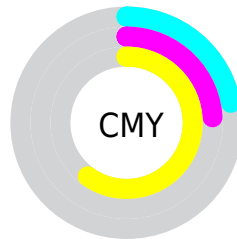


Cyan (0%)

Magenta (2%)

Yellow (49%)

Black (22%)



Cyan (22%)

Magenta (24%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4173, 52.1119, 19.9768 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 45.4173, 52.1119, 19.9768 by changing the saturation by 10% instead.

■ 45.4173, 52.1119,
19.9768

■ 45.4173, 52.1119,
19.9768

359.2163,
394.8685, 264.3896

■ 31.9889, 37.0943,
12.1943

■ 82.5795, 93.2962,
44.2367

■ 21.5085, 25.2805,
6.7520

■ 107.0440,
120.2318, 61.5512

■ 13.6108, 16.2862,
3.2314

■ 135.9179,
151.9087, 82.8801

■ 7.9304, 9.7269,
1.2140

■ 169.5666,
188.7114, 108.6420

■ 4.1019, 5.2182,
0.0000

208.3555,
231.0244, 139.2553

■ 1.7599, 2.3759,
0.0000

252.6498,

■ 0.4933, 0.8134,

279.2320, 175.1386

0.0000

302.8150,
333.7185, 216.7106

■ 0.0000, 0.0000,
0.0000

■ 45.4173, 52.1119,
19.9768

■ 45.4173, 52.1119,
19.9768

■ 44.3772, 51.4077,
15.3886

■ 46.6969, 52.9173,
25.8108

■ 43.5557, 50.7906,
11.9515

■ 48.2280, 53.8229,
32.9694

■ 42.9341, 50.2551,
9.5630


■ 50.0261, 54.8369,
41.5289


■ 42.4894, 49.7919,
8.1006


■ 52.1042, 55.9646,
51.5587


■ 42.1811, 49.3849,
7.3522

■ 54.4749, 57.2108,
63.1238

 42.1596, 49.3549,
7.3044

 57.1496, 58.5803,
76.2851

 60.1393, 60.0773,
91.1004

 62.6054, 61.3665,
103.1530

 62.7956, 61.7469,
103.2164

Harmonies

Analogous

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



54.7736, 52.1119, 20.2980



45.4173, 52.1119, 19.9768



38.1371, 52.1119, 27.0404

Triad

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



45.4173, 52.1119, 19.9768



37.6259, 52.1119, 100.1760



68.8531, 52.1119, 72.5280

Complementary

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



45.4173, 52.1119, 19.9768



20.7273, 16.9930, 56.2203

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.



62.9939, 52.1119, 102.7551



45.4173, 52.1119, 19.9768



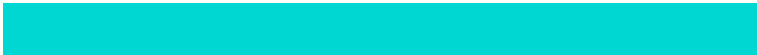
44.6337, 52.1119, 121.8391

Square

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



45.4173, 52.1119, 19.9768



34.0362, 52.1119, 69.7477



53.8855, 52.1119, 122.9087



69.1322, 52.1119, 45.4610

Rectangle

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



45.4173, 52.1119, 19.9768



35.1108, 52.1119, 36.8066



53.8855, 52.1119, 122.9087



67.4404, 52.1119, 82.8204

Sweetspot

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



45.4186, 52.1143, 19.9779



88.9965, 96.7859, 79.4662



30.8036, 22.4886, 16.3263



18.8870, 20.6277, 16.2297



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.



45.4186, 52.1143, 19.9779



77.6013, 89.9399, 26.5138



36.2711, 48.7453, 19.8097



11.4854, 12.3400, 11.3393



27.1258, 31.7687, 4.7023



1.2962, 1.5278, 0.2266

Inverse Universe

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



20.7273, 16.9930, 56.2203



29.4729, 21.4959, 97.2035



26.6577, 19.4604, 56.3840



10.0908, 10.3556, 13.3845



6.7010, 2.7959, 34.9308



0.3297, 0.1571, 1.6581

Previews

White Background



This preview shows how the XYZ color 45.4173, 52.1119, 19.9768 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 45.4173, 52.1119, 19.9768 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 45.4173, 52.1119, 19.9768

Background



This preview shows how black text looks on a background with the XYZ color 45.4173, 52.1119, 19.9768.



This preview shows how white text looks on a background with the XYZ color 45.4173, 52.1119,

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

45.4173, 52.1119, 19.9768

Protanopia

47.7950, 52.0306, 19.5804

Deuteranopia

53.1583, 51.9478, 20.3219



Tritanopia

53.6280, 51.9135, 60.6199

Trichromacy



Original Color

45.4173, 52.1119, 19.9768

Protanomaly

46.8820, 51.8848, 19.6004

Deuteranomaly

50.0373, 51.8921, 20.2109

Tritanomaly

49.7709, 51.5899, 41.9850

Monochromacy



Original Color

45.4173, 52.1119, 19.9768

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.2655, 49.6754, 37.7744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4173, 52.1119, 19.9768 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(199, 195, 101)` looks like.

```
.text, #text, p{  
    color:rgb(199, 195, 101)  
}
```

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(199, 195, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 195, 101) }
```

Border

The CSS property to change the border of an element to XYZ 45.4173, 52.1119, 19.9768 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(199, 195, 101) }
```


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

```
.border{ border-color:rgb(199, 195, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 195, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 195, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 195, 101);  
box-shadow:4px 4px 4px 4px rgb(199, 195,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4173, 52.1119, 19.9768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 195, 101) }
```

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

```
.background{ background-color: rgb(199,  
195, 101) }
```

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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