

Converting Colors

XYZ(45.0170, 49.8596, 19.3759)

Have a look what the booklet for
XYZ(45.0170, 49.8596, 19.3759)
contains.

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Color

**XYZ(45.1264, 50.0118,
19.3314)**

Conversions

Conversions Part 1

Format	Color
Hex	CBBD64
RGB	203, 189, 100
RGB Percent	80%, 74%, 39%
CMY	0.2039, 0.2588, 0.6078
CMYK	0.00, 0.07, 0.51, 0.20
HSL	52°, 50%, 59%
HSV	52°, 51%, 80%
XYZ	45.1264, 50.0118, 19.3314
YIQ	183.0400, 36.9130, -24.7110

Conversions

Conversions Part 2

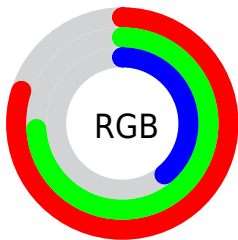
Format	Color
RYB	116, 203, 100
Decimal	13352292
CIELab	76.08, -6.82, 46.34
CIELCh	76, 46.843, 98.370
Yxy	50.0118, 0.3942, 0.4369
Android (android.graphics.Color)	4291542372 (0xFFCBBBD64)
YUV	183.0400, -40.9387, 17.5049
Hunter-Lab	70.7190, -9.8559, 33.2961

Details

The XYZ color **45.1264, 50.0118, 19.3314** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **22.0521, 19.0551, 59.0153**, and the grayscale version is **45.2361, 47.5919, 51.8276**.

A 20% lighter version of the original color is **79.6422, 88.8647, 43.0920**, and **21.3912, 24.0331, 6.4171** is the 20% darker color. If you saturate the color by 10%, you get **43.6765, 48.4934, 14.5901**, and if you desaturate by 10%, it is **46.8348, 51.6554, 25.3677**.

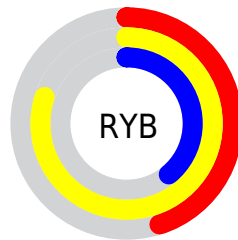
Distribution



Red (80%)

Green (74%)

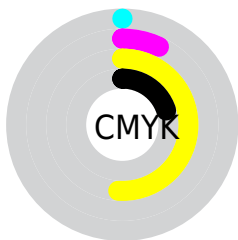
Blue (39%)



Red (45%)

Yellow (80%)

Blue (39%)

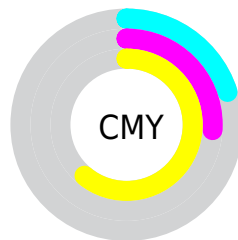


Cyan (0%)

Magenta (7%)

Yellow (51%)

Black (20%)



Cyan (20%)

Magenta (26%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.1264, 50.0118, 19.3314 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 45.1264, 50.0118, 19.3314 by changing the saturation by 10% instead.

■ 45.1264, 50.0118,
19.3314

■ 45.1264, 50.0118,
19.3314

358.0603,
386.7121, 260.7556

■ 31.7587, 35.4228,
11.7308

■ 82.1460, 90.1924,
43.1375

■ 21.3319, 23.9887,
6.4403

■ 106.5285,
116.5527, 60.1800

■ 13.4807, 15.3253,
3.0415

■ 135.3134,
147.6056, 81.2069

■ 7.8396, 9.0480,
1.1159

■ 168.8660,
183.7354, 106.6366

■ 4.0434, 4.7725,
0.0000

207.5516,
225.3266, 136.8879

■ 1.7267, 2.1144,
0.0000

251.7357,

■ 0.4729, 0.6727,

272.7635, 172.3791

0.0000

301.7834,
326.4305, 213.5288

■ 0.0000, 0.0000,
0.0000

■ 45.1264, 50.0118,
19.3314

■ 45.1264, 50.0118,
19.3314

■ 43.6765, 48.4934,
14.5901

■ 46.8348, 51.6554,
25.3677

■ 42.4629, 47.0855,
11.0430

■ 48.8147, 53.4239,
32.7835

■ 41.4656, 45.7821,
8.5797

■ 51.0827, 55.3259,
41.6597

■ 40.6593, 44.5728,
7.0677

■ 53.6528, 57.3671,
52.0701

■ 40.0400, 43.5195,
6.2898

■ 56.5381, 59.5528,
64.0835

■ 59.7509, 61.8880,
77.7646

■ 63.3029, 64.3776,
93.1745

■ 65.9902, 66.5400,
103.9732

■ 66.6816, 67.9228,
104.2037

Harmonies

Analogous

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



54.0127, 50.0118, 20.8120



45.1264, 50.0118, 19.3314



37.8335, 50.0118, 24.7306

Triad

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



45.1264, 50.0118, 19.3314



35.5221, 50.0118, 90.1918



64.9604, 50.0118, 74.2252

Complementary

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



45.1264, 50.0118, 19.3314



22.0521, 19.0551, 59.0153

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.



58.7668, 50.0118, 101.6640



45.1264, 50.0118, 19.3314



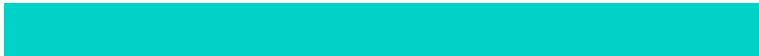
41.5966, 50.0118, 112.6788

Square

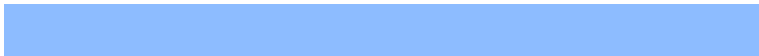
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.1264, 50.0118, 19.3314



32.7514, 50.0118, 61.7772



50.0272, 50.0118, 117.4217



66.2070, 50.0118, 47.7343

Rectangle

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



45.1264, 50.0118, 19.3314



34.5955, 50.0118, 32.8850



50.0272, 50.0118, 117.4217



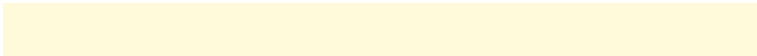
63.3544, 50.0118, 83.8473

Sweetspot

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



45.1276, 50.0141, 19.3324



87.8563, 94.5056, 79.0862



32.3065, 23.0595, 19.1045



18.6094, 20.0724, 16.1372



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.



45.1276, 50.0141, 19.3324



72.8983, 80.9387, 23.6981



39.5821, 51.8419, 19.9775



12.0188, 12.8266, 11.9218



25.5305, 27.7940, 4.0192



1.3539, 1.5075, 0.2196

Inverse Universe

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



22.0521, 19.0551, 59.0153



30.0319, 23.4720, 97.5554



25.4985, 18.6651, 58.7584



10.7226, 11.0857, 14.1450



7.1570, 3.3379, 36.2233



0.4103, 0.2544, 1.8824

Previews

White Background



This preview shows how the XYZ color 45.1264, 50.0118, 19.3314 looks on a white background.

Color Contrast Check

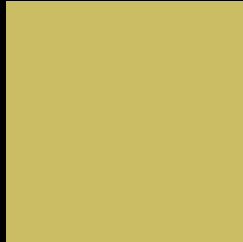
Large Text (above 18pt) WCAG AA × Fail

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 45.1264, 50.0118, 19.3314 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 45.1264, 50.0118, 19.3314

Background



This preview shows how black text looks on a background with the XYZ color 45.1264, 50.0118, 19.3314.



This preview shows how white text looks on a background with the XYZ color 45.1264, 50.0118,

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

45.1264, 50.0118, 19.3314

Protanopia

46.0156, 50.1519, 19.3116

Deuteranopia

50.8315, 49.8575, 19.5147



Tritanopia

52.7859, 50.0430, 56.7463

Trichromacy



Original Color

45.1264, 50.0118, 19.3314

Protanomaly

45.7371, 50.0084, 19.2986

Deuteranomaly

48.7976, 50.0222, 19.3953

Tritanomaly

49.4860, 49.9255, 39.8293

Monochromacy



Original Color

45.1264, 50.0118, 19.3314

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

44.3339, 47.9450, 37.0546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1264, 50.0118, 19.3314 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(203, 189, 100)` looks like.

```
.text, #text, p{  
    color:rgb(203, 189, 100)  
}
```

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(203, 189, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 189, 100) }
```

Border

The CSS property to change the border of an element to XYZ 45.1264, 50.0118, 19.3314 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(203, 189, 100) }
```


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

```
.border{ border-color:rgb(203, 189, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 189, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 189, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 189, 100);  
box-shadow:4px 4px 4px 4px rgb(203, 189,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1264, 50.0118, 19.3314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 189, 100) }
```

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

```
.background{ background-color: rgb(203,  
189, 100) }
```

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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