

# Converting Colors

XYZ(48.5270, 51.0483, 45.5044)

Have a look what the booklet for  
XYZ(48.5270, 51.0483, 45.5044)  
contains.

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# Color

**XYZ(48.4793, 51.1678,  
45.3515)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5BDAA
RGB	197, 189, 170
RGB Percent	77%, 74%, 67%
CMY	0.2274, 0.2588, 0.3333
CMYK	0.00, 0.04, 0.14, 0.23
HSL	42°, 19%, 72%
HSV	42°, 14%, 77%
XYZ	48.4793, 51.1678, 45.3515
YIQ	189.2260, 10.8670, -4.2130

# Conversions

## Conversions Part 2

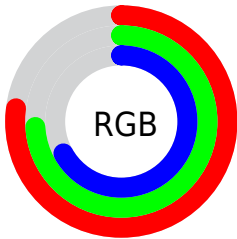
Format	Color
<a href="#">RYB</a>	<a href="#">181, 197, 170</a>
Decimal	<a href="#">12959146</a>
CIELab	<a href="#">76.78, -0.42, 10.60</a>
CIELCh	<a href="#">77, 10.613, 92.284</a>
Yxy	<a href="#">51.1678, 0.3343, 0.3529</a>
Android (android.graphics.Color)	<a href="#">4291149226 (0xFFC5BDAA)</a>
YUV	<a href="#">189.2260, -9.4784, 6.8178</a>
Hunter-Lab	<a href="#">71.5317, -4.2053, 12.4820</a>

# Details

The XYZ color **48.4793, 51.1678, 45.3515** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.5760, 44.4173, 59.1533**, and the grayscale version is **48.5485, 51.0768, 55.6226**.

A 20% lighter version of the original color is **87.1161, 91.8119, 84.3641**, and **23.4019, 24.7560, 20.6845** is the 20% darker color. If you saturate the color by 10%, you get **45.5242, 48.0195, 35.8509**, and if you desaturate by 10%, it is **51.7670, 54.5333, 56.3420**.

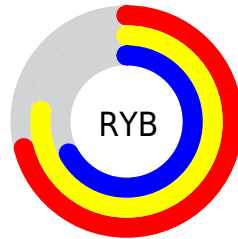
# Distribution



Red (77%)

Green (74%)

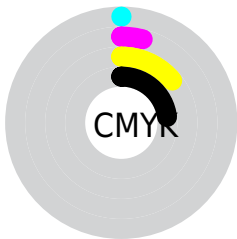
Blue (67%)



Red (71%)

Yellow (77%)

Blue (67%)

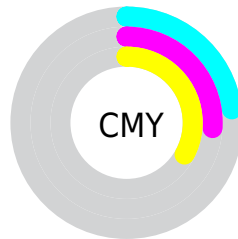


Cyan (0%)

Magenta (4%)

Yellow (14%)

Black (23%)



Cyan (23%)

Magenta (26%)


Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4793, 51.1678, 45.3515 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 48.4793, 51.1678, 45.3515 by changing the saturation by 10% instead.





 48.4793, 51.1678,  
45.3515

 48.4793, 51.1678,  
45.3515


371.2399,  
391.2154, 384.3968

 34.4194, 36.3422,  
31.3894


 87.1230, 91.9028,  
84.5717

 23.3804, 24.6986,  
20.6346


112.4375,  
118.5809, 110.6668

 14.9969, 15.8526,  
12.6685


142.2343,  
149.9786, 141.6434

 8.9035, 9.4199,  
7.0727

176.8788,  
186.4804, 177.9200

 4.7349, 5.0161,  
3.4285

216.7362,  
228.4705, 219.9151

 2.1257, 2.2567,  
1.3174

262.1719,

 0.7031, 0.7506,

276.3335, 268.0472

0.0759

313.5514,  
330.4536, 322.7350

■ 0.0000, 0.0000,  
0.0000

■ 48.4793, 51.1678,  
45.3515

■ 48.4793, 51.1678,  
45.3515

■ 45.5242, 48.0195,  
35.8509

■ 51.7670, 54.5333,  
56.3420

■ 42.8846, 45.0756,  
27.7716

■ 55.3953, 58.1150,  
68.8804

■ 40.5479, 42.3317,  
21.0442

■ 59.3771, 61.9208,  
83.0257

■ 38.4991, 39.7810,  
15.5925

■ 63.7233, 65.9559,  
98.8328

■ 36.7216, 37.4157,  
11.3324

■ 66.1934, 69.3248,  
104.5000

■ 35.1970, 35.2274,  
8.1699

■ 67.7348, 72.4076,  
105.0138

■ 33.9040, 33.2067,  
5.9963

■ 69.3299, 75.5979,  
105.5455

■ 32.8172, 31.3424,  
4.6809

■ 70.9795, 78.8969,  
106.0954

■ 32.2093, 30.2367,  
4.1386

■ 72.6838, 82.3057,  
106.6635

# Harmonies

## Analogous

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



50.4565, 51.1678, 46.4619



48.4793, 51.1678, 45.3515



46.5946, 51.1678, 46.8546

# Triad

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



48.4793, 51.1678, 45.3515



45.4331, 51.1678, 61.8480



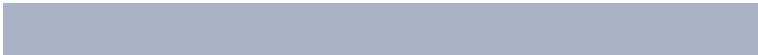
52.1422, 51.1678, 61.0309

# Complementary

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



48.4793, 51.1678, 45.3515



42.5760, 44.4173, 59.1533

# 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.



50.7309, 51.1678, 65.6231



48.4793, 51.1678, 45.3515



46.8549, 51.1678, 66.1172

# Square

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



48.4793, 51.1678, 45.3515



44.8664, 51.1678, 56.1562



48.7879, 51.1678, 67.5435



52.6057, 51.1678, 55.2722



# Rectangle

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



48.4793, 51.1678, 45.3515



45.6345, 51.1678, 49.2012



48.7879, 51.1678, 67.5435



51.7610, 51.1678, 62.7755

# Sweetspot

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



48.4807, 51.1701, 45.3526



92.4948, 97.4481, 100.1606



45.4473, 43.8389, 48.2393



19.6973, 20.7567, 21.0977



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.



48.4807, 51.1701, 45.3526



85.4289, 90.1766, 76.6556



48.8596, 53.9897, 45.8769



11.2484, 11.8660, 11.2603



21.2608, 20.0388, 2.7473



1.0675, 1.0704, 0.1503



# Inverse Universe

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



42.5760, 44.4173, 59.1533



73.1134, 76.0931, 105.4417



42.2226, 41.9418, 58.6941



10.3084, 10.7909, 13.4570



7.6994, 4.7928, 35.2636



0.4287, 0.3552, 1.6911



# Previews

## White Background



This preview shows how the XYZ color 48.4793, 51.1678, 45.3515 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 48.4793, 51.1678, 45.3515 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

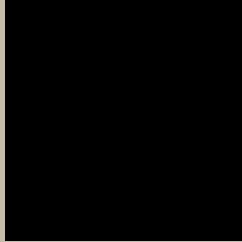
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

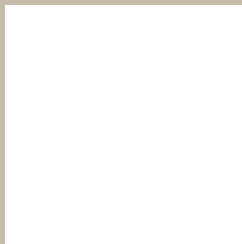
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 48.4793, 51.1678, 45.3515

## Background



This preview shows how black text looks on a background with the XYZ color 48.4793, 51.1678, 45.3515.



This preview shows how white text looks on a background with the XYZ color 48.4793, 51.1678,

45.3515.

# 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

48.4793, 51.1678, 45.3515

### Protanopia

48.4793, 51.1678, 45.3515

### Deuteranopia

52.0157, 51.1034, 45.6505



## Tritanopia

51.7452, 51.2390, 61.1957

# Trichromacy



## Original Color

48.4793, 51.1678, 45.3515

## Protanomaly

48.4793, 51.1678, 45.3515

## Deuteranomaly

50.7121, 51.0481, 45.7085

## Tritanomaly

50.4554, 51.0280, 54.7671

# Monochromacy



## Original Color

48.4793, 51.1678, 45.3515

## Achromatopsia

48.3692, 50.8881, 55.4172

## Achromatomaly

48.3793, 50.9791, 51.5460

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.4793, 51.1678, 45.3515 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, 189, 170)` looks like.

```
.text, #text, p{  
    color:rgb(197, 189, 170)  
}
```

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, 189, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 189, 170) }
```

## Border

The CSS property to change the border of an element to XYZ 48.4793, 51.1678, 45.3515 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, 189, 170) }
```



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

```
.border{ border-color:rgb(197, 189, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 189, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 189, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 189, 170);  
box-shadow:4px 4px 4px 4px rgb(197, 189,  
170) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.4793, 51.1678, 45.3515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 189, 170) }
```

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

```
.background{ background-color: rgb(197,  
189, 170) }
```

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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