

# Converting Colors

XYZ(45.3467, 54.0262, 53.0443)

Have a look what the booklet for  
XYZ(45.3467, 54.0262, 53.0443)  
contains.

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# Color

**XYZ(45.4202, 54.1301,  
52.8540)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A5CBB7
RGB	165, 203, 183
RGB Percent	65%, 80%, 72%
CMY	0.3529, 0.2039, 0.2823
CMYK	0.19, 0.00, 0.10, 0.20
HSL	148°, 27%, 72%
HSV	148°, 19%, 80%
XYZ	45.4202, 54.1301, 52.8540
YIQ	189.3580, -16.2280, -14.2760

# Conversions

## Conversions Part 2

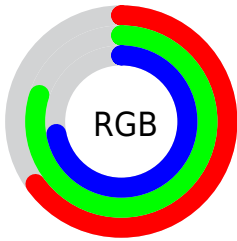
<b>Format</b>	<b>Color</b>
<b>RYB</b>	165, 191, 203
Decimal	10865591
CIELab	78.54, -16.58, 5.81
CIELCh	79, 17.572, 160.679
Yxy	54.1301, 0.2980, 0.3552
Android (android.graphics.Color)	4289055671 (0xFFA5CBB7)
YUV	189.3580, -3.1345, -21.3620
Hunter-Lab	73.5732, -18.5565, 8.9080

# Details

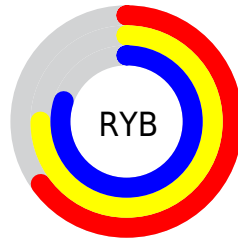
The XYZ color **45.4202, 54.1301, 52.8540** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.8426, 43.1108, 51.7536**, and the grayscale version is **48.6000, 51.1310, 55.6816**.

A 20% lighter version of the original color is **80.8552, 92.9676, 95.3444**, and **21.5868, 26.6173, 25.1190** is the 20% darker color. If you saturate the color by 10%, you get **40.4582, 51.6973, 47.0355**, and if you desaturate by 10%, it is **51.1399, 56.9468, 59.1511**.

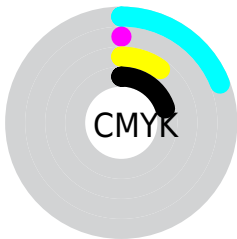
# Distribution



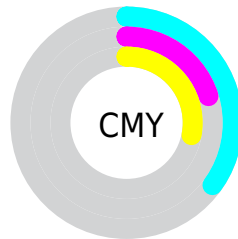
- Red (65%)
- Green (80%)
- Blue (72%)



- Red (65%)
- Yellow (75%)
- Blue (80%)



- Cyan (19%)
- Magenta (0%)
- Yellow (10%)
- Black (20%)




- Cyan (35%)
- Magenta (20%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4202, 54.1301, 52.8540 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 45.4202, 54.1301, 52.8540 by changing the saturation by 10% instead.





 45.4202, 54.1301,  
52.8540

 45.4202, 54.1301,  
52.8540


359.2279,  
402.6059, 414.7751

 31.9912, 38.7057,  
37.2993


 82.5838, 96.2652,  
95.8289

 21.5103, 26.5308,  
25.1417


 107.0491,  
123.7448, 124.0861

 13.6121, 17.2212,  
15.9627


135.9239,  
156.0114, 157.4146

 7.9313, 10.3923,  
9.3437

169.5736,  
193.4496, 196.2330

 4.1024, 5.6598,  
4.8662

208.3635,  
236.4438, 240.9596

 1.7602, 2.6394,  
2.1116

252.6589,

 0.4935, 0.9465,

285.3783, 292.0132

0.6227

302.8252,  
340.6376, 349.8122

■ 0.0000, 0.0000,  
0.0000

■ 45.4202, 54.1301,  
52.8540

■ 45.4202, 54.1301,  
52.8540

■ 40.4582, 51.6973,  
47.0355

■ 51.1399, 56.9468,  
59.1511

■ 36.2160, 49.6245,  
41.6806

■ 57.6440, 60.1564,  
65.9340

■ 32.6591, 47.8956,  
36.7787

■ 64.9635, 63.7762,  
73.2144

■ 29.7481, 46.4907,  
32.3177

■ 73.1264, 67.8203,  
81.0024

■ 27.4397, 45.3875,  
28.2847

■ 77.7994, 70.0549,  
89.1040

■ 25.6848, 44.5611,  
24.6659

■ 79.4028, 70.6963,  
97.5472

■ 24.4257, 43.9820,  
21.4469

■ 80.6470, 71.1939,  
104.0990

■ 23.5715, 43.6035,  
18.6110

■ 23.4754, 43.5613,  
18.2743

# Harmonies

## Analogous

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



47.2314, 54.1301, 45.6322



45.4202, 54.1301, 52.8540



45.1817, 54.1301, 62.5418

# Triad

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



45.4202, 54.1301, 52.8540



52.6923, 54.1301, 79.7246



56.6635, 54.1301, 47.3663

# Complementary

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



45.4202, 54.1301, 52.8540



46.8426, 43.1108, 51.7536

# 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.



58.2707, 54.1301, 55.4763



45.4202, 54.1301, 52.8540



55.9105, 54.1301, 74.6085

# Square

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



45.4202, 54.1301, 52.8540



49.2782, 54.1301, 78.8188



57.9891, 54.1301, 65.4729



53.6827, 54.1301, 42.7182



# Rectangle

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



45.4202, 54.1301, 52.8540



45.9344, 54.1301, 69.2091



57.9891, 54.1301, 65.4729



57.3882, 54.1301, 49.7378

# Sweetspot

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



45.4217, 54.1324, 52.8552



88.3737, 96.7049, 101.9608



48.2213, 55.7784, 43.8227



18.7664, 20.6253, 21.6661



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

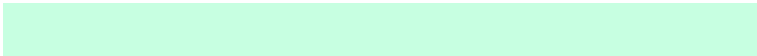


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.4217, 54.1324, 52.8552



72.9417, 89.1105, 84.9277



47.5039, 54.9653, 63.8200



11.2856, 12.6240, 13.0612



14.9842, 27.7390, 11.8680



0.8113, 1.4463, 0.8137



# Inverse Universe

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



46.8426, 43.1108, 51.7536



75.7035, 67.6861, 82.7855



44.9927, 42.3709, 42.0125



11.4549, 11.3107, 12.9300



17.4037, 8.7721, 9.8447



0.9360, 0.4678, 0.7090



# Previews

## White Background



This preview shows how the XYZ color 45.4202, 54.1301, 52.8540 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

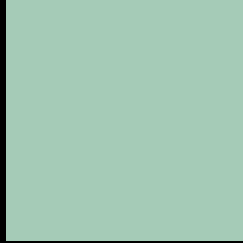
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.4202, 54.1301, 52.8540 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

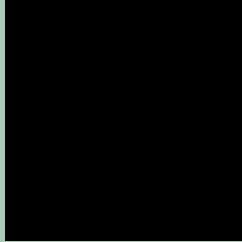
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 45.4202, 54.1301, 52.8540

## Background



This preview shows how black text looks on a background with the XYZ color 45.4202, 54.1301, 52.8540.



This preview shows how white text looks on a background with the XYZ color 45.4202, 54.1301,

52.8540.

# 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

45.4202, 54.1301, 52.8540

### Protanopia

51.1932, 53.7718, 49.8003

### Deuteranopia

54.6576, 53.5329, 53.9065



## Tritanopia

49.1263, 53.9011, 71.4331

# Trichromacy



## Original Color

45.4202, 54.1301, 52.8540

## Protanomaly

48.9435, 53.9192, 51.0079

## Deuteranomaly

50.8529, 53.5130, 53.5478

## Tritanomaly

47.7960, 54.0554, 64.4145

# Monochromacy



## Original Color

45.4202, 54.1301, 52.8540

## Achromatopsia

48.3692, 50.8881, 55.4172

## Achromatomaly

47.0838, 51.8747, 54.5449

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.4202, 54.1301, 52.8540 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(165, 203, 183)` looks like.

```
.text, #text, p{  
    color:rgb(165, 203, 183)  
}
```

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(165, 203, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 203, 183) }
```

## Border

The CSS property to change the border of an element to XYZ 45.4202, 54.1301, 52.8540 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(165, 203, 183) }
```



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

```
.border{ border-color:rgb(165, 203, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 203, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 203, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 203, 183);  
box-shadow:4px 4px 4px 4px rgb(165, 203,  
183) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.4202, 54.1301, 52.8540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 203, 183) }
```

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

```
.background{ background-color: rgb(165,  
203, 183) }
```

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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