

# Converting Colors

XYZ(44.8432, 49.9793, 52.1264)

Have a look what the booklet for  
XYZ(44.8432, 49.9793, 52.1264)  
contains.

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# **Color**

**XYZ(44.8524, 50.1168,  
52.1093)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEC0B7
RGB	174, 192, 183
RGB Percent	68%, 75%, 72%
CMY	0.3176, 0.2470, 0.2823
CMYK	0.09, 0.00, 0.05, 0.25
HSL	150°, 13%, 72%
HSV	150°, 9%, 75%
XYZ	44.8524, 50.1168, 52.1093
YIQ	185.5920, -7.8390, -6.6150

# Conversions

## Conversions Part 2

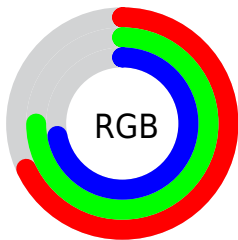
Format	Color
<b>RYB</b>	174, 186, 192
Decimal	11452599
CIELab	76.14, -7.89, 2.42
CIELCh	76, 8.252, 162.921
Yxy	50.1168, 0.3050, 0.3407
Android (android.graphics.Color)	4289642679 (0xFFAEC0B7)
YUV	185.5920, -1.2779, -10.1662
Hunter-Lab	70.7932, -10.7960, 5.9132

# Details

The XYZ color **44.8524, 50.1168, 52.1093** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.4233, 44.8987, 51.0742**, and the grayscale version is **46.4551, 48.8744, 53.2243**.

A 20% lighter version of the original color is **81.7805, 90.1898, 94.7594**, and **21.2879, 24.2145, 24.6710** is the 20% darker color. If you saturate the color by 10%, you get **39.9115, 47.6827, 46.8384**, and if you desaturate by 10%, it is **50.4758, 52.8977, 57.7701**.

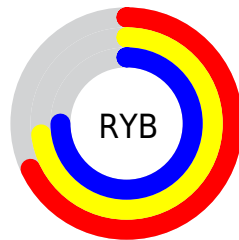
# Distribution



Red (68%)

Green (75%)

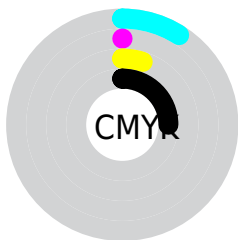
Blue (72%)



Red (68%)

Yellow (73%)

Blue (75%)

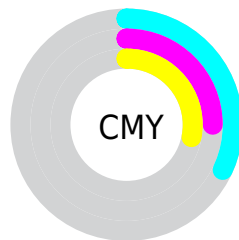


Cyan (9%)

Magenta (0%)

Yellow (5%)

Black (25%)



Cyan (32%)

Magenta (25%)

Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.8524, 50.1168, 52.1093 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 44.8524, 50.1168, 52.1093 by changing the saturation by 10% instead.



■ 44.8524, 50.1168,  
52.1093

■ 44.8524, 50.1168,  
52.1093

356.9692,  
387.1225, 411.8274

■ 31.5420, 35.5062,  
36.7094

■ 81.7373, 90.3479,  
94.7206

■ 21.1657, 24.0531,  
24.6885

106.0425,  
116.7372, 122.7691

■ 13.3584, 15.3730,  
15.6282

134.7433,  
147.8216, 155.8709

■ 7.7545, 9.0816,  
9.1100

168.2051,  
183.9853, 194.4444

■ 3.9887, 4.7944,  
4.7152

206.7932,  
225.6129, 238.9083

■ 1.6958, 2.1272,  
2.0253

250.8731,

■ 0.4536, 0.6798,

273.0887, 289.6810

0.5708

300.8099,  
326.7971, 347.1812

■ 0.0000, 0.0000,  
0.0000

■ 44.8524, 50.1168,  
52.1093

■ 44.8524, 50.1168,  
52.1093

■ 39.9115, 47.6827,  
46.8384

■ 50.4758, 52.8977,  
57.7701

■ 35.6218, 45.5750,  
41.9459

■ 56.8030, 56.0320,  
63.8257

■ 31.9554, 43.7813,  
37.4242

■ 63.8596, 59.5342,  
70.2848

■ 28.8813, 42.2854,  
33.2643

■ 71.6689, 63.4160,  
77.1551

■ 26.3651, 41.0699,  
29.4569

■ 74.5157, 64.7312,  
84.1754

■ 24.3690, 40.1155,  
25.9922

■ 75.9097, 65.2888,  
91.5160

■ 22.8503, 39.4003,  
22.8597

■ 77.3793, 65.8766,  
99.2547

■ 21.7586, 38.8986,  
20.0485

■ 78.1406, 66.1812,  
103.2635

■ 21.0040, 38.5643,  
17.5451

# Harmonies

## Analogous

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



45.6411, 50.1168, 48.5757



44.8524, 50.1168, 52.1093



44.7989, 50.1168, 56.4922

# Triad

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



44.8524, 50.1168, 52.1093



48.3015, 50.1168, 63.2831



49.8420, 50.1168, 48.9806

# Complementary

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



44.8524, 50.1168, 52.1093



45.4233, 44.8987, 51.0742

# 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.



50.5874, 50.1168, 52.6893



44.8524, 50.1168, 52.1093



49.6851, 50.1168, 61.0353

# Square

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



44.8524, 50.1168, 52.1093



46.7678, 50.1168, 63.1070



50.5294, 50.1168, 57.1042



48.5118, 50.1168, 46.8374



# Rectangle

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



44.8524, 50.1168, 52.1093



45.1855, 50.1168, 59.3216



50.5294, 50.1168, 57.1042



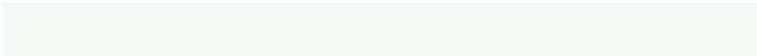
50.1705, 50.1168, 50.0766

# Sweetspot

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



44.8538, 50.1189, 52.1104



87.5687, 93.9208, 100.8235



46.0912, 50.8616, 47.4331



18.6072, 20.0606, 21.4505



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

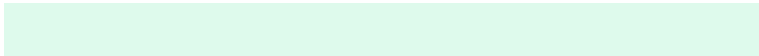


# Same Dimension

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



44.8538, 50.1189, 52.1104



79.5674, 89.9687, 92.6459



45.7881, 50.4926, 57.0303



10.1497, 11.3409, 11.7917



14.1434, 25.9514, 11.9139



0.6459, 1.1352, 0.6980



# Inverse Universe

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



45.4233, 44.8987, 51.0742



80.7823, 78.8320, 90.4353



44.5450, 44.5474, 46.4493



10.2785, 10.1600, 11.5573



16.0879, 8.1249, 8.3752

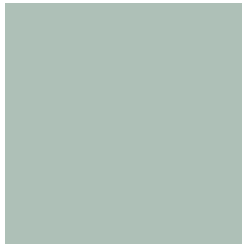


0.7299, 0.3650, 0.5451



# Previews

## White Background



This preview shows how the XYZ color 44.8524, 50.1168, 52.1093 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

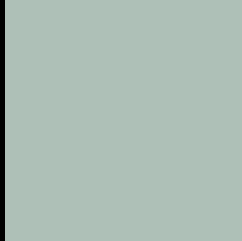
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.8524, 50.1168, 52.1093 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

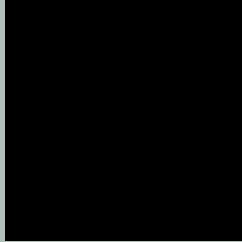
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 44.8524, 50.1168, 52.1093**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.8524, 50.1168, 52.1093.



This preview shows how white text looks on a background with the XYZ color 44.8524, 50.1168,



# 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

44.8524, 50.1168, 52.1093

### Protanopia

48.0009, 50.1734, 50.3345

### Deuteranopia

50.7344, 49.6723, 52.8127



## Tritanopia

47.2281, 50.1019, 64.3082

# Trichromacy



## Original Color

44.8524, 50.1168, 52.1093

## Protanomaly

46.7878, 50.1705, 50.9340

## Deuteranomaly

48.2488, 49.6279, 52.3836

## Tritanomaly

46.2818, 50.0425, 59.4444

# Monochromacy



## Original Color

44.8524, 50.1168, 52.1093

## Achromatopsia

46.6715, 49.1021, 53.4722

## Achromatomaly

46.0316, 49.4143, 53.0107

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.8524, 50.1168, 52.1093 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(174, 192, 183)` looks like.

```
.text, #text, p{  
    color:rgb(174, 192, 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(174, 192, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 192, 183) }
```

## Border

The CSS property to change the border of an element to XYZ 44.8524, 50.1168, 52.1093 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(174, 192, 183) }
```



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

```
.border{ border-color:rgb(174, 192, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 192, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 192, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 192, 183);  
box-shadow:4px 4px 4px 4px rgb(174, 192,  
183) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.8524, 50.1168, 52.1093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 192, 183) }
```

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

```
.background{ background-color: rgb(174,  
192, 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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