

Converting Colors

XYZ(45.8862, 48.2781, 52.5776)

Have a look what the booklet for
XYZ(45.8862, 48.2781, 52.5776)
contains.

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Color

**XYZ(46.1135, 48.5150,
52.8328)**

Conversions

Conversions Part 1

Format	Color
Hex	B9B9B9
RGB	185, 185, 185
RGB Percent	73%, 73%, 73%
CMY	0.2745, 0.2745, 0.2745
CMYK	0.00, 0.00, 0.00, 0.27
HSL	120°, 0%, 73%
HSV	120°, 0%, 73%
XYZ	46.1135, 48.5150, 52.8328
YIQ	185.0000, -0.0000, -0.0000

Conversions

Conversions Part 2

Format	Color
RYB	185, 185, 185
Decimal	12171705
CIELab	75.15, 0.00, -0.01
CIELCh	75, 0.009, 296.792
Yxy	48.5150, 0.3127, 0.3290
Android (android.graphics.Color)	4290361785 (0xFFB9B9B9)
YUV	185.0000, 0.0000, 0.0000
Hunter-Lab	69.6527, -3.7165, 3.7844

Details

The XYZ color **46.1135, 48.5150, 52.8328** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.1153, 48.5163, 52.8355**, and the grayscale version is **46.1153, 48.5168, 52.8348**.

A 20% lighter version of the original color is **83.6081, 87.9622, 95.7909**, and **21.9318, 23.0740, 25.1276** is the 20% darker color. If you saturate the color by 10%, you get **40.1238, 45.6382, 43.0846**, and if you desaturate by 10%, it is **52.9368, 51.7954, 63.9272**.

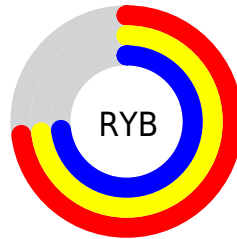
Distribution



Red (73%)

Green (73%)

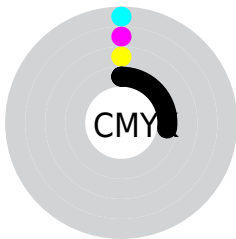
Blue (73%)



Red (73%)

Yellow (73%)

Blue (73%)

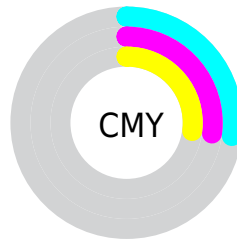


Cyan (0%)

Magenta (0%)

Yellow (0%)

Black (27%)



Cyan (27%)

Magenta (27%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1135, 48.5150, 52.8328 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 46.1135, 48.5150, 52.8328 by changing the saturation by 10% instead.

■ 46.1135, 48.5150,
52.8328

■ 46.1135, 48.5150,
52.8328

361.9731,
380.8298, 414.6914

■ 32.5404, 34.2349,
37.2825

■ 83.6157, 87.9707,
95.7973

■ 21.9321, 23.0741,
25.1288

108.2754,
113.9151, 124.0487

■ 13.9234, 14.6482,
15.9531

137.3615,
144.5164, 157.3707

■ 8.1487, 8.5729,
9.3370

171.2391,
180.1589, 196.1821

■ 4.2429, 4.4637,
4.8618

210.2737,
221.2271, 240.9013

■ 1.8404, 1.9362,
2.1091

254.8307,

■ 0.5419, 0.5700,

268.1054, 291.9469

0.6212

305.2754,
321.1782, 349.7374

■ 0.0000, 0.0000,
0.0000

■ 46.1135, 48.5150,
52.8328

■ 46.1135, 48.5150,
52.8328

■ 40.1238, 45.6382,
43.0846

■ 52.9368, 51.7954,
63.9272

■ 34.9319, 43.1434,
34.6284

■ 60.6196, 55.4877,
76.4130

■ 30.5052, 41.0166,
27.4109

■ 69.1918, 59.6075,
90.3370

■ 26.8078, 39.2403,
21.3741

■ 76.6399, 63.1798,
102.7633

■ 23.8004, 37.7957,
16.4550

■ 21.4404, 36.6622,
12.5852

■ 19.6802, 35.8171,
9.6884

■ 18.4659, 35.2343,
7.6783

■ 17.7337, 34.8832,
6.4533

Harmonies

Analogous

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



46.1119, 48.5150, 52.8338



46.1135, 48.5150, 52.8328



46.1147, 48.5150, 52.8296

Triad

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



46.1135, 48.5150, 52.8328



46.1138, 48.5150, 52.8169



46.1088, 48.5150, 52.8241

Complementary

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



46.1135, 48.5150, 52.8328



46.1153, 48.5163, 52.8355

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.



46.1094, 48.5150, 52.8195



46.1135, 48.5150, 52.8328



46.1122, 48.5150, 52.8154

Square

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



46.1135, 48.5150, 52.8328



46.1149, 48.5150, 52.8204



46.1106, 48.5150, 52.8164



46.1092, 48.5150, 52.8287

Rectangle

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



46.1135, 48.5150, 52.8328



46.1152, 48.5150, 52.8267



46.1106, 48.5150, 52.8164



46.1089, 48.5150, 52.8225

Sweetspot

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



46.1149, 48.5171, 52.8339



82.5889, 86.8899, 94.6231



46.1157, 48.5175, 52.8339



17.8044, 18.7317, 20.3988



88.6918, 93.3107, 101.6153

Same Dimension

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



46.1149, 48.5171, 52.8339



82.5889, 86.8899, 94.6231



46.1150, 48.5172, 52.8348



10.1266, 10.6539, 11.6021



11.8200, 23.6290, 3.9741



0.4177, 0.8334, 0.1454

Inverse Universe

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



46.1153, 48.5163, 52.8355



82.5889, 86.8899, 94.6231



46.1151, 48.5162, 52.8346



10.1266, 10.6539, 11.6021



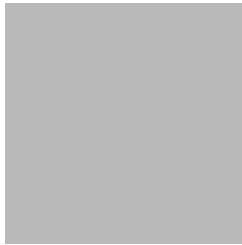
19.4800, 9.3658, 31.4782



0.6877, 0.3306, 1.1150

Previews

White Background



This preview shows how the XYZ color 46.1135, 48.5150, 52.8328 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 46.1135, 48.5150, 52.8328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

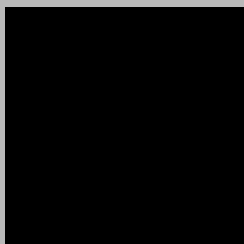
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

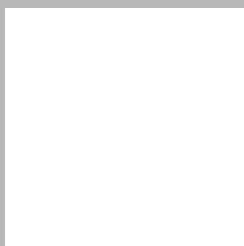
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.1135, 48.5150, 52.8328

Background



This preview shows how black text looks on a background with the XYZ color 46.1135, 48.5150, 52.8328.

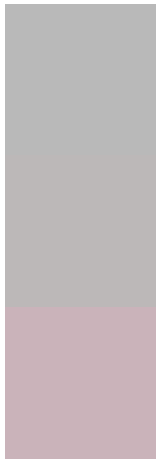


This preview shows how white text looks on a background with the XYZ color 46.1135, 48.5150,

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

46.1135, 48.5150, 52.8328

Protanopia

46.5313, 48.4330, 52.2435

Deuteranopia

49.3401, 48.3419, 53.1848



Tritanopia

47.6200, 48.5090, 60.2794

Trichromacy



Original Color

46.1135, 48.5150, 52.8328

Protanomaly

46.2857, 48.3065, 52.2320

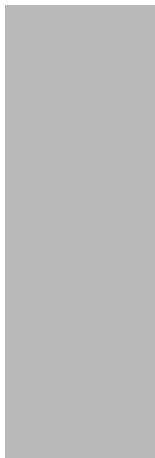
Deuteranomaly

48.1518, 48.3287, 53.2449

Tritanomaly

47.0158, 48.5703, 57.3491

Monochromacy



Original Color

46.1135, 48.5150, 52.8328

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.1135, 48.5150, 52.8328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1135, 48.5150, 52.8328 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(185, 185, 185)` looks like.

```
.text, #text, p{  
    color:rgb(185, 185, 185)  
}
```

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(185, 185, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 185, 185) }
```

Border

The CSS property to change the border of an element to XYZ 46.1135, 48.5150, 52.8328 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(185, 185, 185) }
```

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

```
.border{ border-color:rgb(185, 185, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 185, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 185, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 185, 185);  
box-shadow:4px 4px 4px 4px rgb(185, 185,  
185) }
```


Background

The CSS property to change the background color of an element to XYZ 46.1135, 48.5150, 52.8328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 185, 185) }
```

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

```
.background{ background-color: rgb(185,  
185, 185) }
```

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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