

Converting Colors

XYZ(46.8615, 49.2741, 54.0552)

Have a look what the booklet for
XYZ(46.8615, 49.2741, 54.0552)
contains.

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Color

**XYZ(46.7782, 49.1448,
54.0341)**

Conversions

Conversions Part 1

Format	Color
Hex	BABABB
RGB	186, 186, 187
RGB Percent	73%, 73%, 73%
CMY	0.2706, 0.2706, 0.2667
CMYK	0.01, 0.01, 0.00, 0.27
HSL	240°, 1%, 73%
HSV	240°, 1%, 73%
XYZ	46.7782, 49.1448, 54.0341
YIQ	186.1140, -0.3210, 0.3110

Conversions

Conversions Part 2

Format	Color
R _{YB}	186, 186, 187
Decimal	12237499
CIE Lab	75.54, 0.19, -0.51
CIE LCh	76, 0.547, 290.322
Yxy	49.1448, 0.3119, 0.3277
Android (android.graphics.Color)	4290427579 (0xFFBABABB)
YUV	186.1140, 0.4368, -0.1000
Hunter-Lab	70.1034, -3.5723, 3.3729

Details

The XYZ color **46.7782, 49.1448, 54.0341** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.1267, 49.6498, 53.5544**, and the grayscale version is **46.7349, 49.1688, 53.5448**.

A 20% lighter version of the original color is **84.5477, 88.8526, 97.4881**, and **22.3635, 23.4828, 25.9082** is the 20% darker color. If you saturate the color by 10%, you get **38.8571, 39.6108, 52.6121**, and if you desaturate by 10%, it is **55.8084, 60.0130, 55.6567**.

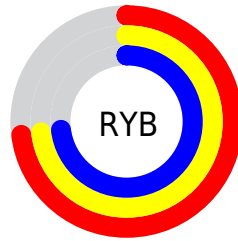
Distribution



Red (73%)

Green (73%)

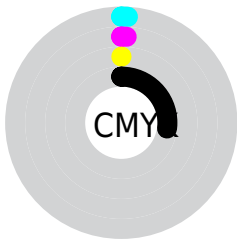
Blue (73%)



Red (73%)

Yellow (73%)

Blue (73%)



Cyan (1%)

Magenta (1%)

Yellow (0%)

Black (27%)



Cyan (27%)

Magenta (27%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7782, 49.1448, 54.0341 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 46.7782, 49.1448, 54.0341 by changing the saturation by 10% instead.

■ 46.7782, 49.1448,
54.0341

■ 46.7782, 49.1448,
54.0341

364.5922,
383.3121, 419.4183

■ 33.0676, 34.7344,
38.2356

■ 84.6032, 88.9065,
97.5812

■ 22.3377, 23.4583,
25.8623

109.4483,
115.0265, 126.1669

■ 14.2232, 14.9323,
16.4958

138.7356,
145.8185, 159.8520

■ 8.3588, 8.7719,
9.7175

172.8304,
181.6669, 199.0551

■ 4.3791, 4.5927,
5.1089

212.0981,
222.9560, 244.1948

■ 1.9188, 2.0103,
2.2515

256.9041,

■ 0.5877, 0.6135,

270.0704, 295.6895

0.7038

307.6137,
323.3942, 353.9578

■ 0.0000, 0.0000,
0.0000

■ 46.7782, 49.1448,
54.0341

■ 46.7782, 49.1448,
54.0341

■ 38.8571, 39.6108,
52.6121

■ 55.8084, 60.0130,
55.6567

■ 31.9983, 31.3537,
51.3798

■ 65.9838, 72.2574,
57.4838

■ 26.1581, 24.3211,
50.3302

■ 77.3440, 85.9260,
59.5233

■ 21.2877, 18.4547,
49.4546

■ 85.9698, 96.3679,
61.0842

■ 17.3348, 13.6916,
48.7435

■ 14.2420, 9.9629,
48.1868

■ 11.9452, 7.1917,
47.7730

■ 10.3717, 5.2908,
47.4890

■ 9.4353, 4.1570,
47.3195

Harmonies

Analogous

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



46.6780, 49.1448, 54.0610



46.7782, 49.1448, 54.0341



46.8604, 49.1448, 53.8666

Triad

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



46.7782, 49.1448, 54.0341



46.8349, 49.1448, 53.0830



46.5193, 49.1448, 53.4168

Complementary

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



46.7782, 49.1448, 54.0341



47.1267, 49.6498, 53.5544

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.



46.5612, 49.1448, 53.1557



46.7782, 49.1448, 54.0341



46.7433, 49.1448, 52.9634

Square

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



46.7782, 49.1448, 54.0341



46.8932, 49.1448, 53.3172



46.6432, 49.1448, 52.9900



46.5286, 49.1448, 53.7039

Rectangle

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



46.7782, 49.1448, 54.0341



46.8939, 49.1448, 53.6980



46.6432, 49.1448, 52.9900



46.5279, 49.1448, 53.3231

Sweetspot

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



46.7796, 49.1469, 54.0352



84.5950, 89.0005, 96.9216



46.9885, 49.5676, 54.0960



18.6292, 19.5994, 21.3438



90.7827, 95.5105, 104.0109

Same Dimension

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



46.7796, 49.1469, 54.0352



83.0532, 87.1449, 96.6447



46.8965, 49.2060, 54.0404



10.5420, 11.0637, 12.2521



6.1865, 2.4848, 32.5464



0.2433, 0.0993, 1.2752

Inverse Universe

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



46.9164, 49.2285, 53.4863



83.5170, 87.4217, 94.7830



47.0094, 49.5905, 53.5492



10.5962, 11.0961, 12.0347



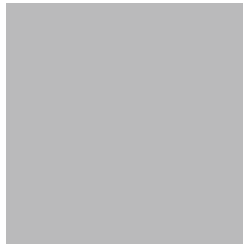
14.1234, 7.2805, 0.6777



0.5537, 0.2854, 0.0292

Previews

White Background



This preview shows how the XYZ color 46.7782, 49.1448, 54.0341 looks on a white background.

Color Contrast Check

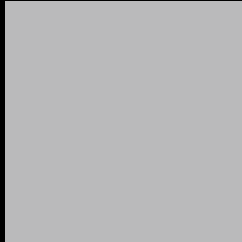
Large Text (above 18pt) WCAG AA × Fail

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 46.7782, 49.1448, 54.0341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

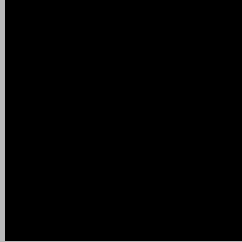
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

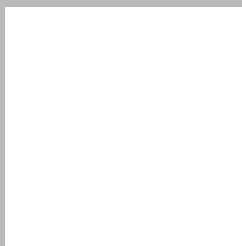
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.7782, 49.1448, 54.0341

Background



This preview shows how black text looks on a background with the XYZ color 46.7782, 49.1448, 54.0341.

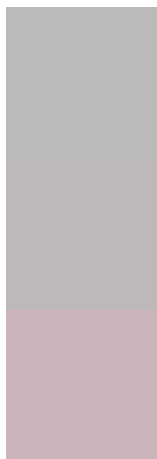


This preview shows how white text looks on a background with the XYZ color 46.7782, 49.1448,

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

46.7782, 49.1448, 54.0341

Protanopia

47.1982, 49.0619, 53.4367

Deuteranopia

50.0270, 48.9699, 54.3924



Tritanopia

48.1883, 49.0959, 60.9695

Trichromacy



Original Color

46.7782, 49.1448, 54.0341

Protanomaly

46.9509, 48.9345, 53.4251

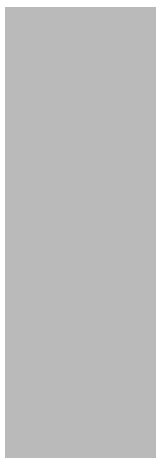
Deuteranomaly

48.8310, 48.9571, 54.4529

Tritanomaly

47.6928, 49.2028, 58.6132

Monochromacy



Original Color

46.7782, 49.1448, 54.0341

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.6715, 49.1021, 53.4722

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7782, 49.1448, 54.0341 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(186, 186, 187)` looks like.

```
.text, #text, p{  
    color:rgb(186, 186, 187)  
}
```

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(186, 186, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 186, 187) }
```

Border

The CSS property to change the border of an element to XYZ 46.7782, 49.1448, 54.0341 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(186, 186, 187) }
```

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

```
.border{ border-color:rgb(186, 186, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 186, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 186, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 186, 187);  
box-shadow:4px 4px 4px 4px rgb(186, 186,  
187) }
```


Background

The CSS property to change the background color of an element to XYZ 46.7782, 49.1448, 54.0341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 186, 187) }
```

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

```
.background{ background-color: rgb(186,  
186, 187) }
```

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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