

# Converting Colors

XYZ(46.4797, 49.5924, 52.6593)

Have a look what the booklet for  
XYZ(46.4797, 49.5924, 52.6593)  
contains.

<b>XYZ(46.4021, 49.6175, 52.4789)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(46.4021, 49.6175,  
52.4789)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8BCB8
RGB	184, 188, 184
RGB Percent	72%, 74%, 72%
CMY	0.2784, 0.2627, 0.2784
CMYK	0.02, 0.00, 0.02, 0.26
HSL	120°, 3%, 73%
HSV	120°, 2%, 74%
XYZ	46.4021, 49.6175, 52.4789
YIQ	186.3480, -1.1000, -2.0920

# Conversions

## Conversions Part 2

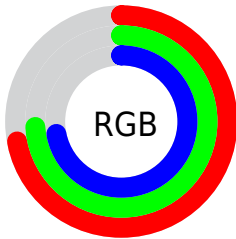
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 188, 188
Decimal	12106936
CIELab	75.83, -2.13, 1.53
CIELCh	76, 2.621, 144.420
Yxy	49.6175, 0.3125, 0.3341
Android (android.graphics.Color)	4290297016 (0xFFB8BCB8)
YUV	186.3480, -1.1576, -2.0592
Hunter-Lab	70.4397, -5.6827, 5.1356

# Details

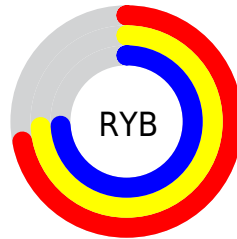
The XYZ color **46.4021, 49.6175, 52.4789** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.9584, 48.6044, 54.4860**, and the grayscale version is **46.8752, 49.3163, 53.7055**.

A 20% lighter version of the original color is **84.0140, 89.5179, 95.2887**, and **22.1208, 23.7919, 24.8991** is the 20% darker color. If you saturate the color by 10%, you get **40.3530, 46.7133, 42.5837**, and if you desaturate by 10%, it is **53.3145, 52.9393, 63.7836**.

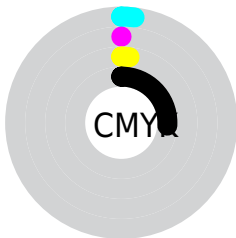
# Distribution



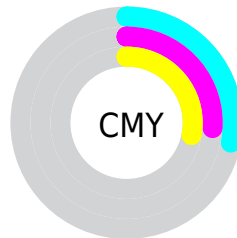
- Red (72%)
- Green (74%)
- Blue (72%)



- Red (72%)
- Yellow (74%)
- Blue (74%)



- Cyan (2%)
- Magenta (0%)
- Yellow (2%)
- Black (26%)



- Cyan (28%)
- Magenta (26%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4021, 49.6175, 52.4789 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 46.4021, 49.6175, 52.4789 by changing the saturation by 10% instead.



■ 46.4021, 49.6175,  
52.4789

■ 46.4021, 49.6175,  
52.4789

363.1118,  
385.1682, 413.2921

■ 32.7692, 35.1096,  
37.0021

■ 84.0446, 89.6079,  
95.2709

■ 22.1081, 23.7473,  
24.9133

108.7850,  
115.8591, 123.4231

■ 14.0534, 15.1463,  
15.7940

137.9586,  
146.7936, 156.6376

■ 8.2398, 8.9221,  
9.2258

171.9307,  
182.7957, 195.3328

■ 4.3018, 4.6904,  
4.7899

211.0667,  
224.2498, 239.9273

■ 1.8743, 2.0668,  
2.0680

255.7320,

■ 0.5618, 0.6458,

271.5404, 290.8397

0.5966

306.2919,  
325.0517, 348.4884

■ 0.0000, 0.0000,  
0.0000

■ 46.4021, 49.6175,  
52.4789

■ 46.4021, 49.6175,  
52.4789

■ 40.3530, 46.7133,  
42.5837

■ 53.3145, 52.9393,  
63.7836

■ 35.1293, 44.2040,  
34.0397

■ 61.1178, 56.6877,  
76.5466

■ 30.6965, 42.0747,  
26.7892

■ 69.8436, 60.8792,  
90.8184

■ 27.0161, 40.3068,  
20.7692

■ 77.2742, 64.4484,  
102.9747

■ 24.0463, 38.8803,  
15.9116

■ 21.7413, 37.7731,  
12.1412

■ 20.0500, 36.9607,  
9.3746

■ 18.9138, 36.4149,  
7.5159

■ 18.2628, 36.1022,  
6.4508

# Harmonies

## Analogous

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



46.7737, 49.6175, 51.6186



46.4021, 49.6175, 52.4789



46.2337, 49.6175, 53.7646

# Triad

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



46.4021, 49.6175, 52.4789



47.0689, 49.6175, 56.7396



48.0181, 49.6175, 52.9234

# Complementary

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



46.4021, 49.6175, 52.4789



46.9584, 48.6044, 54.4860

# 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.



48.0985, 49.6175, 54.2863



46.4021, 49.6175, 52.4789



47.5483, 49.6175, 56.5051

# Square

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



46.4021, 49.6175, 52.4789



46.6169, 49.6175, 56.2367



47.9260, 49.6175, 55.6012



47.7071, 49.6175, 51.8721



# Rectangle

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



46.4021, 49.6175, 52.4789



46.2584, 49.6175, 54.6959



47.9260, 49.6175, 55.6012



48.0731, 49.6175, 53.3596

# Sweetspot

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



46.4035, 49.6196, 52.4800



85.4108, 90.5554, 97.2593



47.3762, 50.1211, 52.5253



18.3806, 19.4800, 20.9371



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



46.4035, 49.6196, 52.4800



83.0223, 89.4081, 93.3527



46.6148, 49.7042, 53.5930



10.1767, 11.0185, 11.3924



12.2440, 24.4879, 4.0817



0.4796, 0.9592, 0.1599



# Inverse Universe

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



46.9584, 48.6044, 54.4860



84.4536, 86.7896, 98.5266



46.7441, 48.5187, 53.3573



10.3931, 10.6226, 12.1747



20.2993, 9.7509, 33.1996



0.7952, 0.3820, 1.3005



# Previews

## White Background



This preview shows how the XYZ color 46.4021, 49.6175, 52.4789 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 46.4021, 49.6175, 52.4789 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

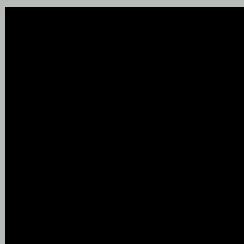
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

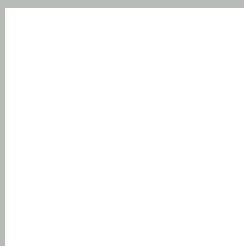
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 46.4021, 49.6175, 52.4789**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.4021, 49.6175, 52.4789.



This preview shows how white text looks on a background with the XYZ color 46.4021, 49.6175,



# 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

46.4021, 49.6175, 52.4789

### Protanopia

47.5920, 49.6131, 51.8677

### Deuteranopia

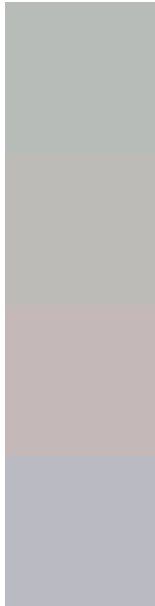
50.4577, 49.5297, 52.7997



## Tritanopia

48.4777, 49.8527, 61.7111

# Trichromacy



## Original Color

46.4021, 49.6175, 52.4789

## Protanomaly

47.0566, 49.6509, 51.9032

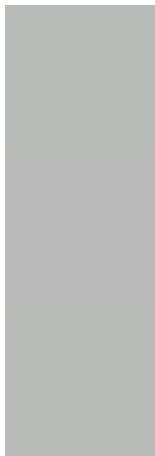
## Deuteranomaly

48.9234, 49.6541, 52.9046

## Tritanomaly

47.7576, 49.8748, 58.1486

# Monochromacy



## Original Color

46.4021, 49.6175, 52.4789

## Achromatopsia

46.6715, 49.1021, 53.4722

## Achromatomaly

46.5349, 49.3577, 52.9733

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.4021, 49.6175, 52.4789 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(184, 188, 184)` looks like.

```
.text, #text, p{  
    color:rgb(184, 188, 184)  
}
```

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(184, 188, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 188, 184) }
```

## Border

The CSS property to change the border of an element to XYZ 46.4021, 49.6175, 52.4789 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(184, 188, 184) }
```



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

```
.border{ border-color:rgb(184, 188, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 188, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 188, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 188, 184);  
box-shadow:4px 4px 4px 4px rgb(184, 188,  
184) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.4021, 49.6175, 52.4789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 188, 184) }
```

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

```
.background{ background-color: rgb(184,  
188, 184) }
```

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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