

Converting Colors

XYZ(45.1302, 47.4805, 51.7062)

Have a look what the booklet for
XYZ(45.1302, 47.4805, 51.7062)
contains.

XYZ(45.0092, 47.3531, 51.5676)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

**XYZ(45.0092, 47.3531,
51.5676)**

Conversions

Conversions Part 1

Format	Color
Hex	B7B7B7
RGB	183, 183, 183
RGB Percent	72%, 72%, 72%
CMY	0.2823, 0.2823, 0.2823
CMYK	0.00, 0.00, 0.00, 0.28
HSL	117°, 0%, 72%
HSV	117°, 0%, 72%
XYZ	45.0092, 47.3531, 51.5676
YIQ	183.0000, -0.0000, -0.0000

Conversions

Conversions Part 2

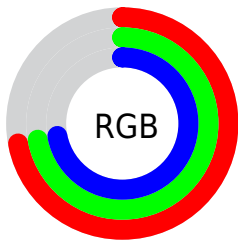
Format	Color
R_{YB}	183, 183, 183
Decimal	12040119
CIE Lab	74.42, 0.00, -0.01
CIE LCh	74, 0.009, 297.855
Yxy	47.3531, 0.3127, 0.3290
Android (android.graphics.Color)	4290230199 (0xFFB7B7B7)
YUV	183.0000, 0.0000, 0.0000
Hunter-Lab	68.8136, -3.6715, 3.7387

Details

The XYZ color **45.0092, 47.3531, 51.5676** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.0109, 47.3544, 51.5700**, and the grayscale version is **45.0109, 47.3549, 51.5695**.

A 20% lighter version of the original color is **82.0431, 86.3157, 93.9978**, and **21.2178, 22.3228, 24.3095** is the 20% darker color. If you saturate the color by 10%, you get **39.3603, 44.6483, 41.9982**, and if you desaturate by 10%, it is **51.4149, 50.4221, 62.4672**.

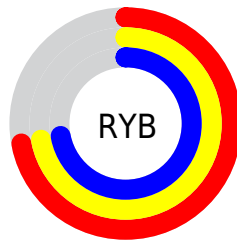
Distribution



Red (72%)

Green (72%)

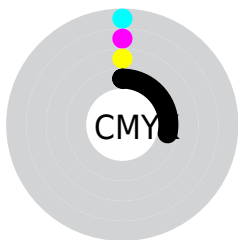
Blue (72%)



Red (72%)

Yellow (72%)

Blue (72%)

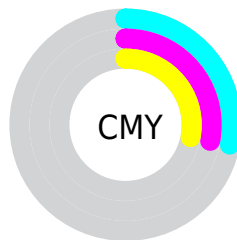


Cyan (0%)

Magenta (0%)

Yellow (0%)

Black (28%)



Cyan (28%)

Magenta (28%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.0092, 47.3531, 51.5676 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 45.0092, 47.3531, 51.5676 by changing the saturation by 10% instead.

■ 45.0092, 47.3531,
51.5676

■ 45.0092, 47.3531,
51.5676

357.5939,
376.2222, 409.6744

■ 31.6660, 33.3149,
36.2807

■ 81.9712, 86.2405,
93.9133

■ 21.2608, 22.3678,
24.3596

106.3207,
111.8584, 121.8092

■ 13.4283, 14.1274,
15.3859

135.0696,
142.1050, 154.7451

■ 7.8032, 8.2093,
8.9411

168.5834,
177.3647, 193.1396

■ 4.0200, 4.2292,
4.6065

207.2274,
218.0219, 237.4112

■ 1.7135, 1.8026,
1.9636

251.3669,

■ 0.4647, 0.4888,

264.4609, 287.9785

0.5328

301.3673,
317.0662, 345.2601

■ 0.0000, 0.0000,
0.0000

■ 45.0092, 47.3531,
51.5676

■ 45.0092, 47.3531,
51.5676

■ 39.3603, 44.6483,
41.9982

■ 51.4149, 50.4221,
62.4672

■ 34.4363, 42.2883,
33.7052

■ 58.5995, 53.8617,
74.7421

■ 30.2090, 40.2612,
26.6356

■ 66.5896, 57.6858,
88.4388

■ 26.6471, 38.5520,
20.7316

■ 75.2147, 61.8282,
102.5775

■ 23.7166, 37.1444,
15.9304

■ 76.2244, 62.3487,
102.6248

■ 21.3805, 36.0211,
12.1638

■ 19.5982, 35.1626,
9.3558

■ 18.3237, 34.5471,
7.4199

■ 17.5039, 34.1494,
6.2541

Harmonies

Analogous

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



45.0076, 47.3531, 51.5687



45.0092, 47.3531, 51.5676



45.0104, 47.3531, 51.5644

Triad

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



45.0092, 47.3531, 51.5676



45.0094, 47.3531, 51.5517



45.0045, 47.3531, 51.5591

Complementary

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



45.0092, 47.3531, 51.5676



45.0109, 47.3544, 51.5700

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.



45.0050, 47.3531, 51.5546



45.0092, 47.3531, 51.5676



45.0078, 47.3531, 51.5503

Square

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



45.0092, 47.3531, 51.5676



45.0105, 47.3531, 51.5552



45.0062, 47.3531, 51.5514



45.0049, 47.3531, 51.5638

Rectangle

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



45.0092, 47.3531, 51.5676



45.0108, 47.3531, 51.5614



45.0062, 47.3531, 51.5514



45.0046, 47.3531, 51.5575

Sweetspot

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



45.0105, 47.3551, 51.5686



80.6108, 84.8088, 92.3568



45.0111, 47.3554, 51.5686



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.



45.0105, 47.3551, 51.5686



80.6108, 84.8088, 92.3568



45.0106, 47.3552, 51.5693



10.1266, 10.6539, 11.6021



11.9186, 23.6806, 3.9426



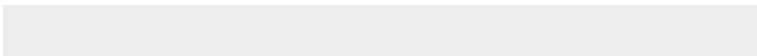
0.4355, 0.8427, 0.1397

Inverse Universe

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



45.0109, 47.3544, 51.5700



80.6108, 84.8088, 92.3568



45.0108, 47.3544, 51.5694



10.1266, 10.6539, 11.6021



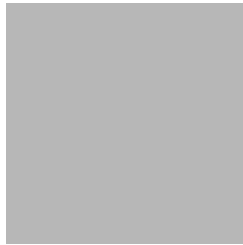
18.0168, 8.5992, 31.9633



0.6499, 0.3107, 1.1275

Previews

White Background



This preview shows how the XYZ color 45.0092, 47.3531, 51.5676 looks on a white background.

Color Contrast Check

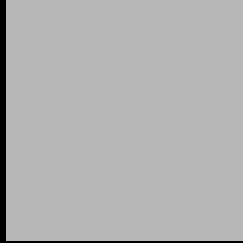
Large Text (above 18pt) WCAG AA × Fail

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 45.0092, 47.3531, 51.5676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

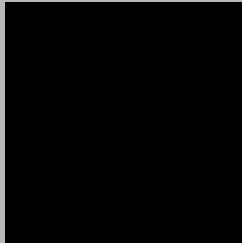
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

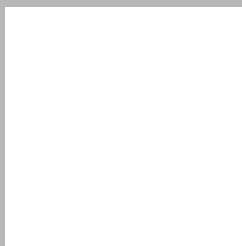
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.0092, 47.3531, 51.5676

Background



This preview shows how black text looks on a background with the XYZ color 45.0092, 47.3531, 51.5676.

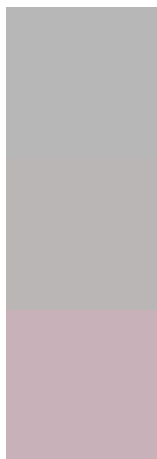


This preview shows how white text looks on a background with the XYZ color 45.0092, 47.3531,

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

45.0092, 47.3531, 51.5676

Protanopia

45.4211, 47.2724, 50.9865

Deuteranopia

48.1933, 47.1843, 51.9148



Tritanopia

46.3818, 47.3022, 58.3154

Trichromacy



Original Color

45.0092, 47.3531, 51.5676

Protanomaly

45.1790, 47.1476, 50.9752

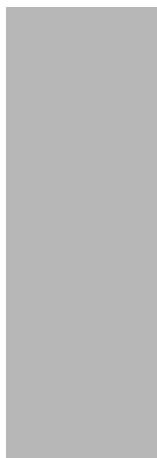
Deuteranomaly

47.0200, 47.1702, 51.9739

Tritanomaly

45.8991, 47.4078, 56.0217

Monochromacy



Original Color

45.0092, 47.3531, 51.5676

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.0092, 47.3531, 51.5676

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0092, 47.3531, 51.5676 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(183, 183, 183)` looks like.

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

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

Border

The CSS property to change the border of an element to XYZ 45.0092, 47.3531, 51.5676 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(183, 183, 183) }
```

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

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

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

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

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


Background

The CSS property to change the background color of an element to XYZ 45.0092, 47.3531, 51.5676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(183,  
183, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor