

Converting Colors

XYZ(48.6515, 46.4666, 60.1320)

Have a look what the booklet for
XYZ(48.6515, 46.4666, 60.1320)
contains.

XYZ(48.6178, 46.3551, 59.8111)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.6178, 46.3551,
59.8111)**

Conversions

Conversions Part 1

Format	Color
Hex	C6AEC6
RGB	198, 174, 198
RGB Percent	78%, 68%, 78%
CMY	0.2235, 0.3176, 0.2235
CMYK	0.00, 0.12, 0.00, 0.22
HSL	300°, 17%, 73%
HSV	300°, 12%, 78%
XYZ	48.6178, 46.3551, 59.8111
YIQ	183.9120, 6.6000, 12.5520

Conversions

Conversions Part 2

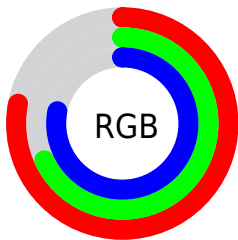
Format	Color
R _Y B	198, 174, 198
Decimal	13020870
CIE Lab	73.78, 12.91, -9.01
CIE LCh	74, 15.744, 325.086
Yxy	46.3551, 0.3141, 0.2995
Android (android.graphics.Color)	4291210950 (0xFFC6AEC6)
YUV	183.9120, 6.9454, 12.3552
Hunter-Lab	68.0846, 8.3152, -4.4260

Details

The XYZ color **48.6178, 46.3551, 59.8111** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.2914, 52.4441, 47.7824**, and the grayscale version is **45.4729, 47.8410, 52.0989**.

A 20% lighter version of the original color is **87.5868, 85.0736, 106.4123**, and **23.4952, 21.8620, 29.3670** is the 20% darker color. If you saturate the color by 10%, you get **45.0716, 39.2620, 58.6295**, and if you desaturate by 10%, it is **52.7306, 54.5799, 61.1826**.

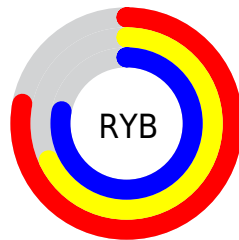
Distribution



Red (78%)

Green (68%)

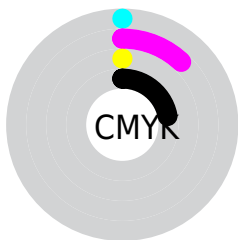
Blue (78%)



Red (78%)

Yellow (68%)

Blue (78%)

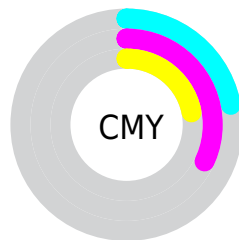


Cyan (0%)

Magenta (12%)

Yellow (0%)

Black (22%)



Cyan (22%)

Magenta (32%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6178, 46.3551, 59.8111 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 48.6178, 46.3551, 59.8111 by changing the saturation by 10% instead.

■ 48.6178, 46.3551,
59.8111

■ 48.6178, 46.3551,
59.8111

371.7777,
372.2344, 441.6864

■ 34.5297, 32.5261,
42.8421

■ 87.3277, 84.7502,
106.0963

■ 23.4656, 21.7637,
29.4308

112.6801,
110.0851, 136.2495

■ 15.0603, 13.6834,
19.1585

142.5181,
140.0241, 171.6346

■ 8.9483, 7.9008,
11.6069

177.2069,
174.9516, 212.6701

■ 4.7643, 4.0315,
6.3574

217.1119,
215.2520, 259.7745

■ 2.1430, 1.6912,
2.9913

262.5985,

■ 0.7124, 0.4180,

261.3097, 313.3663

1.0902

314.0320,
313.5090, 373.8641

■ 0.0000, 0.0000,
0.0000

■ 48.6178, 46.3551,
59.8111

■ 48.6178, 46.3551,
59.8111

■ 45.0716, 39.2620,
58.6295

■ 52.7306, 54.5799,
61.1826

■ 42.0633, 33.2454,
57.6267

■ 57.4289, 63.9766,
62.7488

■ 39.5679, 28.2546,
56.7949

■ 62.7360, 74.5906,
64.5178

■ 37.5568, 24.2324,
56.1244

■ 68.6723, 86.4634,
66.4967

■ 35.9985, 21.1159,
55.6050

■ 69.2423, 87.6032,
66.6867

34.8581, 18.8350,
55.2248

69.2423, 87.6032,
66.6868

34.0951, 17.3091,
54.9704

69.2423, 87.6032,
66.6868

33.6616, 16.4421,
54.8259

69.2423, 87.6032,
66.6869

33.4821, 16.0832,
54.7660

69.2423, 87.6032,
66.6869

Harmonies

Analogous

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



46.3788, 46.3551, 65.7462



48.6178, 46.3551, 59.8111



49.6373, 46.3551, 51.8037

Triad

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



48.6178, 46.3551, 59.8111



44.5214, 46.3551, 36.6303



39.3658, 46.3551, 57.2885

Complementary

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



48.6178, 46.3551, 59.8111



45.2914, 52.4441, 47.7824

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.



38.9153, 46.3551, 49.1650



48.6178, 46.3551, 59.8111



41.8181, 46.3551, 37.7694

Square

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



48.6178, 46.3551, 59.8111



47.2094, 46.3551, 38.8673



39.7947, 46.3551, 42.1609



41.0523, 46.3551, 64.1852

Rectangle

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



48.6178, 46.3551, 59.8111



49.4583, 46.3551, 46.5694



39.7947, 46.3551, 42.1609



39.0679, 46.3551, 54.5885

Sweetspot

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



48.6192, 46.3571, 59.8121



91.8819, 93.6639, 107.8439



42.7867, 43.3504, 59.5392



19.5431, 19.8010, 23.0419



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



48.6192, 46.3571, 59.8121



84.0384, 77.9769, 105.2294



47.2892, 45.8251, 52.8087



11.0832, 10.8166, 13.4212



21.7740, 10.4592, 35.6152



1.0310, 0.4952, 1.6864

Inverse Universe

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



48.6192, 46.3571, 59.8121



84.0384, 77.9769, 105.2294



46.5142, 52.9333, 54.2216



11.0832, 10.8166, 13.4212



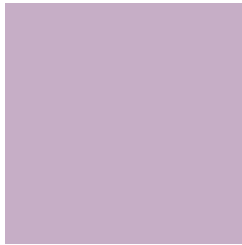
21.7740, 10.4592, 35.6152



1.0310, 0.4952, 1.6864

Previews

White Background



This preview shows how the XYZ color 48.6178, 46.3551, 59.8111 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 48.6178, 46.3551, 59.8111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

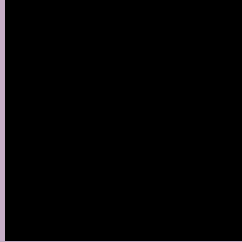
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.6178, 46.3551, 59.8111

Background



This preview shows how black text looks on a background with the XYZ color 48.6178, 46.3551, 59.8111.



This preview shows how white text looks on a background with the XYZ color 48.6178, 46.3551,

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

48.6178, 46.3551, 59.8111

Protanopia

45.5723, 46.4905, 62.4488

Deuteranopia

47.4566, 46.3344, 59.8683



Tritanopia

47.5412, 46.2044, 54.5568

Trichromacy



Original Color

48.6178, 46.3551, 59.8111

Protanomaly

46.7127, 46.4969, 61.7711

Deuteranomaly

47.7711, 46.2065, 59.8270

Tritanomaly

47.8704, 46.3360, 56.2899

Monochromacy



Original Color

48.6178, 46.3551, 59.8111

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.4928, 47.1355, 54.7917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6178, 46.3551, 59.8111 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(198, 174, 198)` looks like.

```
.text, #text, p{  
    color:rgb(198, 174, 198)  
}
```

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(198, 174, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 174, 198) }
```

Border

The CSS property to change the border of an element to XYZ 48.6178, 46.3551, 59.8111 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(198, 174, 198) }
```


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

```
.border{ border-color:rgb(198, 174, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 174, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 174, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 174, 198);  
box-shadow:4px 4px 4px 4px rgb(198, 174,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6178, 46.3551, 59.8111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 174, 198) }
```

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

```
.background{ background-color: rgb(198,  
174, 198) }
```

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