

Converting Colors

XYZ(46.8546, 46.6109, 59.9563)

Have a look what the booklet for
XYZ(46.8546, 46.6109, 59.9563)
contains.

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Color

**XYZ(46.8525, 46.6094,
59.9532)**

Conversions

Conversions Part 1

Format	Color
Hex	BCB2C6
RGB	188, 178, 198
RGB Percent	74%, 70%, 78%
CMY	0.2627, 0.3019, 0.2235
CMYK	0.05, 0.10, 0.00, 0.22
HSL	270°, 15%, 74%
HSV	270°, 10%, 78%
XYZ	46.8525, 46.6094, 59.9532
YIQ	183.2700, -0.4600, 8.3400

Conversions

Conversions Part 2

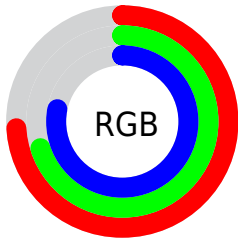
Format	Color
R_{YB}	188, 178, 198
Decimal	12366534
CIE Lab	73.94, 7.30, -8.86
CIE LCh	74, 11.481, 309.509
Yxy	46.6094, 0.3054, 0.3038
Android (android.graphics.Color)	4290556614 (0xFFBCB2C6)
YUV	183.2700, 7.2619, 4.1482
Hunter-Lab	68.2711, 3.0251, -4.2766

Details

The XYZ color **46.8525, 46.6094, 59.9532** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.9707, 54.2951, 50.0208**, and the grayscale version is **45.1207, 47.4704, 51.6953**.

A 20% lighter version of the original color is **84.7810, 85.2987, 106.6036**, and **22.3593, 21.8317, 29.4210** is the 20% darker color. If you saturate the color by 10%, you get **40.8380, 38.0776, 58.6241**, and if you desaturate by 10%, it is **53.6057, 56.3687, 61.4817**.

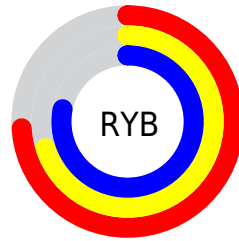
Distribution



Red (74%)

Green (70%)

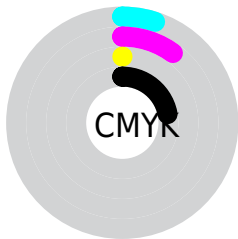
Blue (78%)



Red (74%)

Yellow (70%)

Blue (78%)

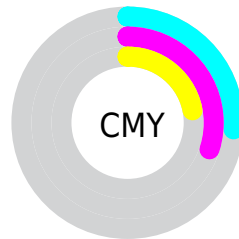


Cyan (5%)

Magenta (10%)

Yellow (0%)

Black (22%)



Cyan (26%)

Magenta (30%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8525, 46.6094, 59.9532 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 46.8525, 46.6094, 59.9532 by changing the saturation by 10% instead.

■ 46.8525, 46.6094,
59.9532

■ 46.8525, 46.6094,
59.9532

364.8842,
373.2532, 442.2251

■ 33.1265, 32.7270,
42.9559

■ 84.7135, 85.1303,
106.3045

■ 22.3831, 21.9174,
29.5193

109.5792,
110.5375, 136.4955

■ 14.2568, 13.7962,
19.2251

138.8889,
140.5552, 171.9215

■ 8.3824, 7.9791,
11.6546

173.0079,
175.5676, 213.0010

■ 4.3945, 4.0815,
6.3893

212.3016,
215.9593, 260.1526

■ 1.9276, 1.7193,
3.0106

257.1353,

■ 0.5928, 0.4361,

262.1145, 313.7948

1.1000

307.8744,
314.4177, 374.3461

■ 0.0000, 0.0000,
0.0000

■ 46.8525, 46.6094,
59.9532

■ 46.8525, 46.6094,
59.9532

■ 40.8380, 38.0776,
58.6241

■ 53.6057, 56.3687,
61.4817

■ 35.5306, 30.7171,
57.4831

■ 61.1196, 67.3968,
63.2143

■ 30.9022, 24.4762,
56.5224

■ 69.4201, 79.7404,
65.1594

■ 26.9210, 19.2968,
55.7325

■ 77.8234, 92.0270,
67.0880

■ 23.5528, 15.1154,
55.1030

■ 81.0481, 93.6894,
67.2390

■ 20.7593, 11.8616,
54.6222

■ 84.4555, 95.4459,
67.3984

■ 18.4976, 9.4552,
54.2769

■ 87.1932, 96.8573,
67.5265

■ 16.7174, 7.8017,
54.0516

■ 15.3375, 6.7293,
53.9173

Harmonies

Analogous

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



44.9543, 46.6094, 62.6992



46.8525, 46.6094, 59.9532



48.0912, 46.6094, 54.7990

Triad

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



46.8525, 46.6094, 59.9532



45.6930, 46.6094, 40.9056



40.5311, 46.6094, 52.6349

Complementary

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



46.8525, 46.6094, 59.9532



48.9707, 54.2951, 50.0208

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.



40.7151, 46.6094, 46.9050



46.8525, 46.6094, 59.9532



43.6537, 46.6094, 40.4239

Square

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



46.8525, 46.6094, 59.9532



47.4076, 46.6094, 43.9104



41.8435, 46.6094, 42.5399



41.3329, 46.6094, 58.2646

Rectangle

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



46.8525, 46.6094, 59.9532



48.3545, 46.6094, 50.8463



41.8435, 46.6094, 42.5399



40.4803, 46.6094, 50.6532

Sweetspot

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



46.8539, 46.6114, 59.9542



91.2645, 94.4975, 108.0374



46.6094, 49.6530, 60.5542



19.3223, 19.9191, 23.0763



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.



46.8539, 46.6114, 59.9542



80.6461, 79.2190, 105.6480



49.3157, 47.8805, 60.0694



10.5534, 10.5436, 13.3964



10.0729, 4.4270, 35.0680



0.5605, 0.2527, 1.6644

Inverse Universe

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



48.2878, 47.4795, 54.1987



83.6872, 81.0601, 93.4415



46.6684, 53.1082, 49.9130



10.8514, 10.7239, 12.2005



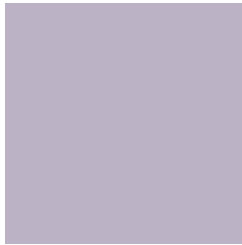
16.6534, 8.4109, 8.6508



0.8251, 0.4129, 0.6022

Previews

White Background



This preview shows how the XYZ color 46.8525, 46.6094, 59.9532 looks on a white background.

Color Contrast Check

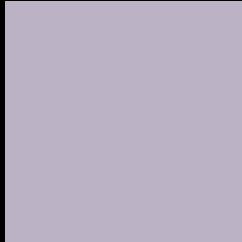
Large Text (above 18pt) WCAG AA × Fail

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 46.8525, 46.6094, 59.9532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

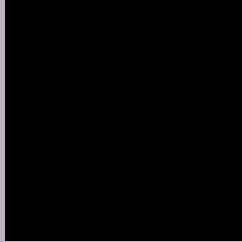
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.8525, 46.6094, 59.9532

Background



This preview shows how black text looks on a background with the XYZ color 46.8525, 46.6094, 59.9532.



This preview shows how white text looks on a background with the XYZ color 46.8525, 46.6094,

59.9532.

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

46.8525, 46.6094, 59.9532

Protanopia

45.7716, 46.9212, 61.2879

Deuteranopia

47.6534, 46.7280, 59.9339



Tritanopia

46.2393, 46.6553, 57.0204

Trichromacy



Original Color

46.8525, 46.6094, 59.9532

Protanomaly

46.1585, 46.8333, 60.6398

Deuteranomaly

47.4010, 46.5979, 59.9221

Tritanomaly

46.4639, 46.7451, 58.2036

Monochromacy



Original Color

46.8525, 46.6094, 59.9532

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.6086, 46.9929, 54.2437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8525, 46.6094, 59.9532 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(188, 178, 198)` looks like.

```
.text, #text, p{  
    color:rgb(188, 178, 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(188, 178, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 178, 198) }
```

Border

The CSS property to change the border of an element to XYZ 46.8525, 46.6094, 59.9532 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(188, 178, 198) }
```


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

```
.border{ border-color:rgb(188, 178, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 178, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 178, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 178, 198);  
box-shadow:4px 4px 4px 4px rgb(188, 178,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8525, 46.6094, 59.9532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 178, 198) }
```

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

```
.background{ background-color: rgb(188,  
178, 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](#).

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