

Converting Colors

XYZ(46.5864, 48.9556, 59.9684)

Have a look what the booklet for
XYZ(46.5864, 48.9556, 59.9684)
contains.

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Color

**XYZ(46.4593, 48.8523,
59.8041)**

Conversions

Conversions Part 1

Format	Color
Hex	B4BAC5
RGB	180, 186, 197
RGB Percent	71%, 73%, 77%
CMY	0.2941, 0.2706, 0.2274
CMYK	0.09, 0.06, 0.00, 0.23
HSL	219°, 13%, 74%
HSV	219°, 9%, 77%
XYZ	46.4593, 48.8523, 59.8041
YIQ	185.4600, -7.1070, 2.1490

Conversions

Conversions Part 2

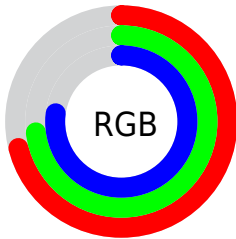
Format	Color
R _Y B	180, 184, 197
Decimal	11844293
CIE Lab	75.36, 0.08, -6.27
CIE LCh	75, 6.274, 270.688
Yxy	48.8523, 0.2995, 0.3149
Android (android.graphics.Color)	4290034373 (0xFFB4BAC5)
YUV	185.4600, 5.6892, -4.7884
Hunter-Lab	69.8944, -3.6651, -1.8045

Details

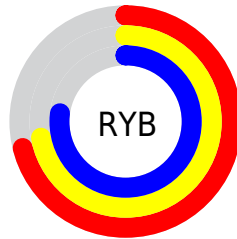
The XYZ color **46.4593, 48.8523, 59.8041** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.8951, 52.4268, 50.6704**, and the grayscale version is **46.3435, 48.7570, 53.0964**.

A 20% lighter version of the original color is **84.2336, 88.4929, 106.4072**, and **22.0979, 23.2703, 29.3135** is the 20% darker color. If you saturate the color by 10%, you get **39.6293, 41.5231, 58.7502**, and if you desaturate by 10%, it is **54.1835, 57.0006, 60.9705**.

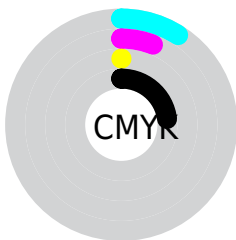
Distribution



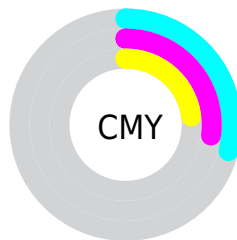
- Red (71%)
- Green (73%)
- Blue (77%)



- Red (71%)
- Yellow (72%)
- Blue (77%)



- Cyan (9%)
- Magenta (6%)
- Yellow (0%)
- Black (23%)



- Cyan (29%)
- Magenta (27%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4593, 48.8523, 59.8041 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 46.4593, 48.8523, 59.8041 by changing the saturation by 10% instead.

■ 46.4593, 48.8523,
59.8041

■ 46.4593, 48.8523,
59.8041

363.3372,
382.1606, 441.6599

■ 32.8146, 34.5023,
42.8365

■ 84.1296, 88.4720,
106.0860

■ 22.1430, 23.2798,
29.4264

108.8859,
114.5106, 136.2374

■ 14.0792, 14.8002,
19.1553

138.0768,
145.2142, 171.6205

■ 8.2578, 8.6793,
11.6046

172.0676,
180.9671, 212.6538

■ 4.3136, 4.5326,
6.3558

211.2237,
222.1538, 259.7558

■ 1.8810, 1.9757,
2.9903

255.9104,

■ 0.5658, 0.5933,

269.1587, 313.3452

1.0897

306.4931,
322.3662, 373.8403

■ 0.0000, 0.0000,
0.0000

■ 46.4593, 48.8523,
59.8041

■ 46.4593, 48.8523,
59.8041

■ 39.6293, 41.5231,
58.7502

■ 54.1835, 57.0006,
60.9705

■ 33.6556, 34.9802,
57.8021

■ 62.8293, 65.9871,
62.2494

■ 28.5038, 29.1977,
56.9575

■ 72.4282, 75.8378,
63.6449

■ 24.1356, 24.1456,
56.2126

■ 81.5964, 85.8478,
65.0938

■ 20.5092, 19.7920,
55.5634

■ 85.4179, 93.4907,
66.3676

■ 17.5789, 16.1021,
55.0056

■ 87.0782, 96.8113,
66.9210

■ 15.2932, 13.0377,
54.5346

■ 13.5925, 10.5554,
54.1451

■ 12.3850, 8.5947,
53.8303

Harmonies

Analogous

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



45.3546, 48.8523, 58.9290



46.4593, 48.8523, 59.8041



47.5746, 48.8523, 58.8473

Triad

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



46.4593, 48.8523, 59.8041



48.3675, 48.8523, 50.0134



44.5242, 48.8523, 50.1404

Complementary

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



46.4593, 48.8523, 59.8041



49.8951, 52.4268, 50.6704

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.



45.3091, 48.8523, 47.9109



46.4593, 48.8523, 59.8041



47.5277, 48.8523, 47.8397

Square

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



46.4593, 48.8523, 59.8041



48.6874, 48.8523, 53.1156



46.4060, 48.8523, 47.0859



44.2486, 48.8523, 53.2682

Rectangle

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



46.4593, 48.8523, 59.8041



48.1711, 48.8523, 57.3213



46.4060, 48.8523, 47.0859



44.7366, 48.8523, 49.2657

Sweetspot

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



46.4607, 48.8544, 59.8052



90.7329, 95.4609, 108.2514



48.1677, 53.3879, 56.9227



19.1791, 20.1779, 23.1338



0.0000, 0.0000, 0.0000



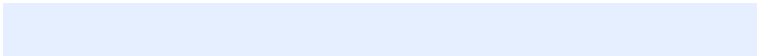
20.3446, 21.4041, 23.3091

Same Dimension

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



46.4607, 48.8544, 59.8052



81.2445, 85.4035, 106.8102



45.7545, 46.6521, 59.4173



10.3580, 10.8900, 13.4736



8.1231, 5.6402, 35.4049



0.4528, 0.4034, 1.6991

Inverse Universe

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



48.2112, 48.0589, 53.1921



84.9047, 83.7785, 92.9738



50.6421, 54.7952, 51.0882



10.7860, 10.6978, 11.8562



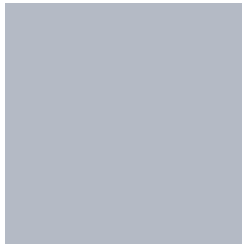
15.8995, 8.1094, 4.6808



0.7873, 0.3977, 0.4029

Previews

White Background



This preview shows how the XYZ color 46.4593, 48.8523, 59.8041 looks on a white background.

Color Contrast Check

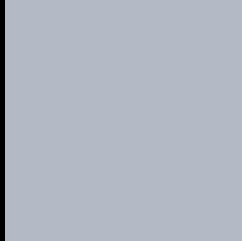
Large Text (above 18pt) WCAG AA × Fail

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 46.4593, 48.8523, 59.8041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

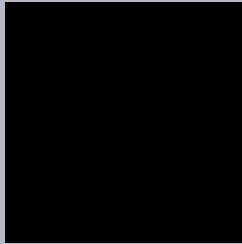
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.4593, 48.8523, 59.8041

Background



This preview shows how black text looks on a background with the XYZ color 46.4593, 48.8523, 59.8041.

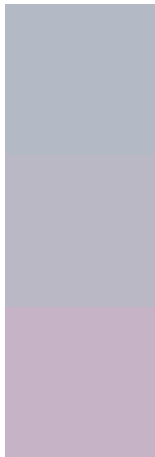


This preview shows how white text looks on a background with the XYZ color 46.4593, 48.8523,

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

46.4593, 48.8523, 59.8041

Protanopia

47.3540, 48.7056, 59.1299

Deuteranopia

49.8030, 48.7255, 60.2061



Tritanopia

46.8303, 48.6918, 61.5738

Trichromacy



Original Color

46.4593, 48.8523, 59.8041

Protanomaly

47.0799, 48.8738, 59.1768

Deuteranomaly

48.4068, 48.6095, 60.2573

Tritanomaly

46.7138, 48.6452, 60.9602

Monochromacy



Original Color

46.4593, 48.8523, 59.8041

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.0627, 48.4393, 55.0661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4593, 48.8523, 59.8041 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(180, 186, 197) looks like.

```
.text, #text, p{  
    color:rgb(180, 186, 197)  
}
```

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(180, 186, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 186, 197) }
```

Border

The CSS property to change the border of an element to XYZ 46.4593, 48.8523, 59.8041 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(180, 186, 197) }
```


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

```
.border{ border-color:rgb(180, 186, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 186, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 186, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 186, 197);  
box-shadow:4px 4px 4px 4px rgb(180, 186,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4593, 48.8523, 59.8041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 186, 197) }
```

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

```
.background{ background-color: rgb(180,  
186, 197) }
```

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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