

Converting Colors

XYZ(46.2508, 49.1380, 60.6665)

Have a look what the booklet for
XYZ(46.2508, 49.1380, 60.6665)
contains.

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Color

**XYZ(46.0948, 48.9650,
60.4478)**

Conversions

Conversions Part 1

Format	Color
Hex	B1BBC6
RGB	177, 187, 198
RGB Percent	69%, 73%, 78%
CMY	0.3059, 0.2666, 0.2235
CMYK	0.11, 0.06, 0.00, 0.22
HSL	211°, 16%, 74%
HSV	211°, 11%, 78%
XYZ	46.0948, 48.9650, 60.4478
YIQ	185.2640, -9.4910, 1.3010

Conversions

Conversions Part 2

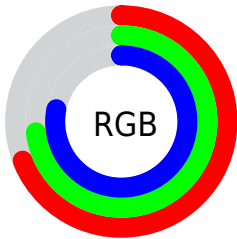
Format	Color
R_{YB}	177, 184, 198
Decimal	11647942
CIE _{Lab}	75.43, -1.26, -6.74
CIE _{LCh}	75, 6.855, 259.409
Yxy	48.9650, 0.2964, 0.3149
Android (android.graphics.Color)	4289838022 (0xFFB1BBC6)
YUV	185.2640, 6.2788, -7.2475
Hunter-Lab	69.9750, -4.8725, -2.2351

Details

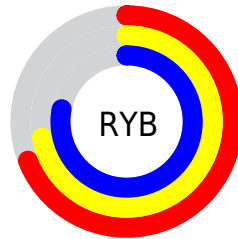
The XYZ color **46.0948, 48.9650, 60.4478** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.2079, 51.1461, 48.8744**, and the grayscale version is **46.2321, 48.6398, 52.9687**.

A 20% lighter version of the original color is **83.7049, 88.6448, 107.3062**, and **21.8713, 23.3489, 29.7396** is the 20% darker color. If you saturate the color by 10%, you get **39.7874, 42.5662, 59.5459**, and if you desaturate by 10%, it is **53.2183, 56.0230, 61.4354**.

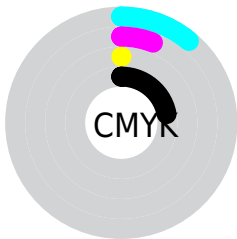
Distribution



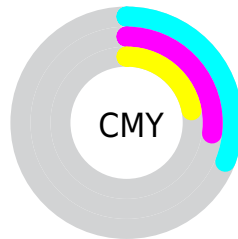
- Red (69%)
- Green (73%)
- Blue (78%)



- Red (69%)
- Yellow (72%)
- Blue (78%)



- Cyan (11%)
- Magenta (6%)
- Yellow (0%)
- Black (22%)



- Cyan (31%)
- Magenta (27%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0948, 48.9650, 60.4478 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 46.0948, 48.9650, 60.4478 by changing the saturation by 10% instead.

■ 46.0948, 48.9650,
60.4478

■ 46.0948, 48.9650,
60.4478

361.8992,
382.6045, 444.0968

■ 32.5256, 34.5917,
43.3520

■ 83.5879, 88.6395,
107.0287

■ 21.9207, 23.3485,
29.8280

108.2424,
114.7094, 137.3509

■ 13.9150, 14.8511,
19.4571

137.3227,
145.4471, 172.9190

■ 8.1428, 8.7149,
11.8209

171.1943,
181.2368, 214.1515

■ 4.2391, 4.5557,
6.5008

210.2223,
222.4631, 261.4670

■ 1.8382, 1.9890,
3.0782

254.7723,

■ 0.5406, 0.6011,

269.5102, 315.2841

1.1347

305.2094,
322.7625, 376.0211

■ 0.0000, 0.0000,
0.0000

■ 46.0948, 48.9650,
60.4478

■ 46.0948, 48.9650,
60.4478

■ 39.7874, 42.5662,
59.5459

■ 53.2183, 56.0230,
61.4354

■ 34.2604, 36.7992,
58.7241

■ 61.1832, 63.7539,
62.5079

■ 29.4817, 31.6438,
57.9808

■ 70.0189, 72.1791,
63.6684

■ 25.4153, 27.0759,
57.3135

■ 79.3086, 81.0881,
64.8984

■ 22.0216, 23.0699,
56.7191

■ 82.2551, 86.9812,
65.8806

■ 19.2571, 19.5975,
56.1946

■ 85.3758, 93.2225,
66.9208

■ 17.0726, 16.6274,
55.7364

■ 87.1932, 96.8573,
67.5266

■ 15.4099, 14.1234,
55.3407

■ 14.2239, 12.1387,
55.0202

Harmonies

Analogous

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



44.9774, 48.9650, 58.7725



46.0948, 48.9650, 60.4478



47.3515, 48.9650, 60.1474

Triad

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



46.0948, 48.9650, 60.4478



48.8681, 48.9650, 51.0365



44.7198, 48.9650, 48.9158

Complementary

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



46.0948, 48.9650, 60.4478



49.2079, 51.1461, 48.8744

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.



45.7374, 48.9650, 47.0199



46.0948, 48.9650, 60.4478



48.1379, 48.9650, 48.2054

Square

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



46.0948, 48.9650, 60.4478



48.9680, 48.9650, 54.6032



46.9876, 48.9650, 46.7658



44.1931, 48.9650, 52.0463

Rectangle

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



46.0948, 48.9650, 60.4478



48.0986, 48.9650, 58.8711



46.9876, 48.9650, 46.7658



45.0149, 48.9650, 48.1191

Sweetspot

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



46.0962, 48.9671, 60.4489



91.0266, 96.0484, 108.3493



47.3872, 53.3605, 55.2950



19.2583, 20.3363, 23.1602



0.0000, 0.0000, 0.0000



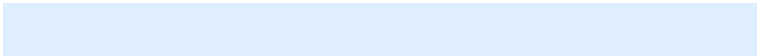
20.3446, 21.4041, 23.3091

Same Dimension

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



46.0962, 48.9671, 60.4489



78.5982, 83.6658, 106.6143



44.1273, 44.9106, 59.7697



10.4664, 11.1069, 13.5097



9.3346, 8.0631, 35.8087



0.5144, 0.5266, 1.7197

Inverse Universe

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



47.9816, 47.0388, 53.5667



82.7013, 79.5748, 91.6129



51.3272, 55.5215, 49.6072



10.8407, 10.7197, 12.1445



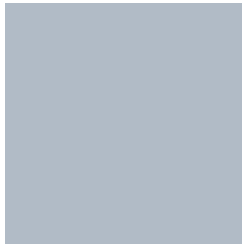
16.5110, 8.3540, 7.9007



0.8183, 0.4102, 0.5666

Previews

White Background



This preview shows how the XYZ color 46.0948, 48.9650, 60.4478 looks on a white background.

Color Contrast Check

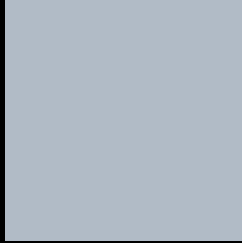
Large Text (above 18pt) WCAG AA × Fail

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 46.0948, 48.9650, 60.4478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

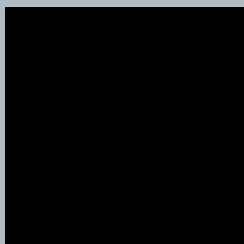
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

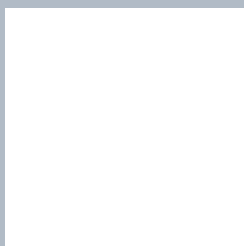
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.0948, 48.9650, 60.4478

Background



This preview shows how black text looks on a background with the XYZ color 46.0948, 48.9650, 60.4478.



This preview shows how white text looks on a background with the XYZ color 46.0948, 48.9650,

60.4478.

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

46.0948, 48.9650, 60.4478

Protanopia

47.3540, 48.7056, 59.1299

Deuteranopia

49.6560, 48.6364, 60.8034



Tritanopia

46.4616, 48.7998, 62.2289

Trichromacy



Original Color

46.0948, 48.9650, 60.4478

Protanomaly

46.9554, 48.7964, 59.7672

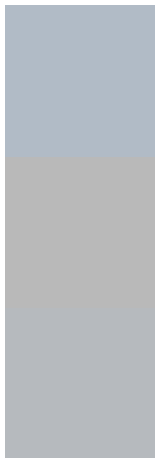
Deuteranomaly

48.4775, 48.9376, 60.9237

Tritanomaly

46.3443, 48.7529, 61.6112

Monochromacy



Original Color

46.0948, 48.9650, 60.4478

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.1446, 48.7806, 55.6987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0948, 48.9650, 60.4478 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(177, 187, 198)` looks like.

```
.text, #text, p{  
    color:rgb(177, 187, 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(177, 187, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 187, 198) }
```

Border

The CSS property to change the border of an element to XYZ 46.0948, 48.9650, 60.4478 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(177, 187, 198) }
```


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

```
.border{ border-color:rgb(177, 187, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 187, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 187, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 187, 198);  
box-shadow:4px 4px 4px 4px rgb(177, 187,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0948, 48.9650, 60.4478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 187, 198) }
```

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

```
.background{ background-color: rgb(177,  
187, 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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