

Converting Colors

XYZ(46.8532, 48.5446, 66.4724)

Have a look what the booklet for
XYZ(46.8532, 48.5446, 66.4724)
contains.

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Color

**XYZ(46.8656, 48.5991,
66.5850)**

Conversions

Conversions Part 1

Format	Color
Hex	B1B9D0
RGB	177, 185, 208
RGB Percent	69%, 73%, 82%
CMY	0.3059, 0.2745, 0.1843
CMYK	0.15, 0.11, 0.00, 0.18
HSL	225°, 25%, 75%
HSV	225°, 15%, 82%
XYZ	46.8656, 48.5991, 66.5850
YIQ	185.2300, -12.1510, 5.4570

Conversions

Conversions Part 2

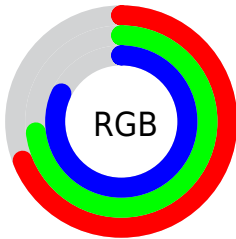
Format	Color
R _Y B	177, 183, 208
Decimal	11647440
CIE Lab	75.20, 1.90, -12.52
CIE LCh	75, 12.660, 278.639
Yxy	48.5991, 0.2892, 0.2999
Android (android.graphics.Color)	4289837520 (0xFFB1B9D0)
YUV	185.2300, 11.2256, -7.2177
Hunter-Lab	69.7131, -1.9987, -7.8305

Details

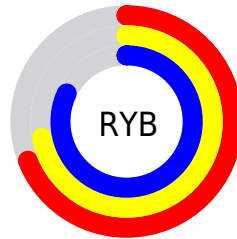
The XYZ color **46.8656, 48.5991, 66.5850** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **54.6029, 57.8926, 49.8926**, and the grayscale version is **46.1876, 48.5929, 52.9177**.

A 20% lighter version of the original color is **83.1096, 87.4542, 107.1078**, and **22.3962, 23.1207, 33.8542** is the 20% darker color. If you saturate the color by 10%, you get **39.4296, 40.2319, 65.3627**, and if you desaturate by 10%, it is **55.3771, 58.0433, 67.9601**.

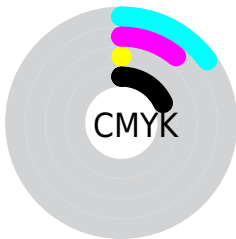
Distribution



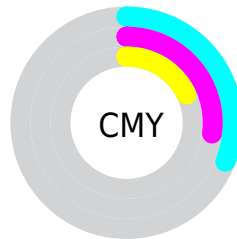
- Red (69%)
- Green (73%)
- Blue (82%)



- Red (69%)
- Yellow (72%)
- Blue (82%)



- Cyan (15%)
- Magenta (11%)
- Yellow (0%)
- Black (18%)



- Cyan (31%)
- Magenta (27%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8656, 48.5991, 66.5850 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 46.8656, 48.5991, 66.5850 by changing the saturation by 10% instead.

■ 46.8656, 48.5991,
66.5850

■ 46.8656, 48.5991,
66.5850

364.9357,
381.1619, 466.9273

■ 33.1369, 34.3016,
48.2880

■ 84.7329, 88.0957,
115.9606

■ 22.3911, 23.1254,
33.6934

109.6023,
114.0636, 147.8762

■ 14.2628, 14.6861,
22.3827

138.9159,
144.6904, 185.1684

■ 8.3866, 8.5994,
13.9374

173.0392,
180.3605, 228.2557

■ 4.3972, 4.4808,
7.9389

212.3375,
221.4584, 277.5567

■ 1.9292, 1.9460,
3.9686

257.1761,

■ 0.5937, 0.5758,

268.3683, 333.4900

1.6082

307.9203,
321.4746, 396.4740

■ 0.0000, 0.0000,
0.2966

■ 0.0000, 0.0000,
0.0000

■ 46.8656, 48.5991,
66.5850

■ 46.8656, 48.5991,
66.5850

■ 39.4296, 40.2319,
65.3627

■ 55.3771, 58.0433,
67.9601

■ 33.0209, 32.8967,
64.2846

■ 65.0007, 68.5956,
69.4897

■ 27.5942, 26.5538,
63.3463

■ 75.7769, 80.2930,
71.1795

■ 23.0989, 21.1590,
62.5419

■ 85.8028, 92.1691,
72.9434

■ 19.4798, 16.6641,
61.8651

■ 88.3853, 97.3341,
73.8043

■ 16.6754, 13.0167,
61.3089

■ 14.6156, 10.1578,
60.8656

■ 13.2168, 8.0199,
60.5267

■ 12.6902, 7.1640,
60.3892

Harmonies

Analogous

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



44.5854, 48.5991, 65.7343



46.8656, 48.5991, 66.5850



49.0351, 48.5991, 63.5406

Triad

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



46.8656, 48.5991, 66.5850



49.7663, 48.5991, 45.3298



42.1591, 48.5991, 48.3959

Complementary

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



46.8656, 48.5991, 66.5850



54.6029, 57.8926, 49.8926

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.



43.4610, 48.5991, 43.5474



46.8656, 48.5991, 66.5850



47.8367, 48.5991, 41.8831

Square

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



46.8656, 48.5991, 66.5850



50.7462, 48.5991, 51.0194



45.5249, 48.5991, 41.2590



41.9187, 48.5991, 54.8593

Rectangle

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



46.8656, 48.5991, 66.5850



50.1086, 48.5991, 59.8505



45.5249, 48.5991, 41.2590



42.4850, 48.5991, 46.5392

Sweetspot

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



46.8671, 48.6011, 66.5861



89.0298, 93.3832, 107.9401



51.0824, 58.6174, 63.1032



18.8207, 19.7284, 23.0660



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.



46.8671, 48.6011, 66.5861



70.2157, 72.4756, 104.8962



46.9314, 46.2186, 66.1228



11.4082, 11.9067, 14.9406



7.9760, 4.5986, 37.6597



0.5111, 0.3874, 2.1274

Inverse Universe

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



50.4927, 48.3581, 52.5740



77.1093, 72.1277, 78.2286



54.5173, 60.6721, 50.4336



11.9322, 11.8576, 12.9188



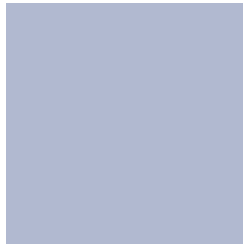
16.6566, 8.5355, 3.0981



0.9642, 0.4904, 0.3464

Previews

White Background



This preview shows how the XYZ color 46.8656, 48.5991, 66.5850 looks on a white background.

Color Contrast Check

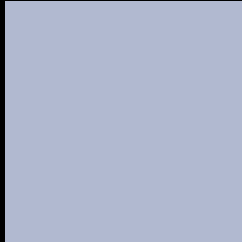
Large Text (above 18pt) WCAG AA × Fail

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 46.8656, 48.5991, 66.5850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

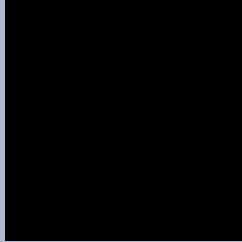
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

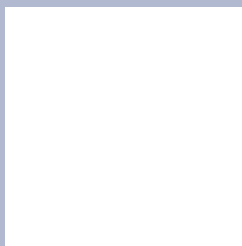
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.8656, 48.5991, 66.5850

Background



This preview shows how black text looks on a background with the XYZ color 46.8656, 48.5991, 66.5850.



This preview shows how white text looks on a background with the XYZ color 46.8656, 48.5991,

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

46.8656, 48.5991, 66.5850

Protanopia

47.6944, 48.7311, 65.9238

Deuteranopia

49.5681, 48.4524, 67.0613



Tritanopia

46.0060, 48.5650, 62.2075

Trichromacy



Original Color

46.8656, 48.5991, 66.5850

Protanomaly

47.2254, 48.4893, 65.9018

Deuteranomaly

48.7301, 48.6241, 67.1386

Tritanomaly

46.3625, 48.7076, 64.0847

Monochromacy



Original Color

46.8656, 48.5991, 66.5850

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.2660, 48.4933, 57.3737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8656, 48.5991, 66.5850 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, 185, 208)` looks like.

```
.text, #text, p{  
    color:rgb(177, 185, 208)  
}
```

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, 185, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 185, 208) }
```

Border

The CSS property to change the border of an element to XYZ 46.8656, 48.5991, 66.5850 is called "border". The border property can be set on classes, ids or directly on the HTML element.

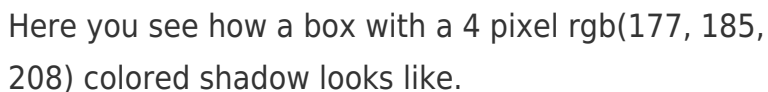
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 185, 208) }
```


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

```
.border{ border-color:rgb(177, 185, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 185, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 185, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 185, 208);  
box-shadow:4px 4px 4px 4px rgb(177, 185,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8656, 48.5991, 66.5850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 185, 208) }
```

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

```
.background{ background-color: rgb(177,  
185, 208) }
```

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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