

Converting Colors

XYZ(42.5501, 48.4354, 66.3587)

Have a look what the booklet for
XYZ(42.5501, 48.4354, 66.3587)
contains.

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Color

**XYZ(42.4710, 48.2506,
66.1063)**

Conversions

Conversions Part 1

Format	Color
Hex	96BFCF
RGB	150, 191, 207
RGB Percent	59%, 75%, 81%
CMY	0.4118, 0.2510, 0.1882
CMYK	0.28, 0.08, 0.00, 0.19
HSL	197°, 37%, 70%
HSV	197°, 28%, 81%
XYZ	42.4710, 48.2506, 66.1063
YIQ	180.5650, -29.5720, -3.7160

Conversions

Conversions Part 2

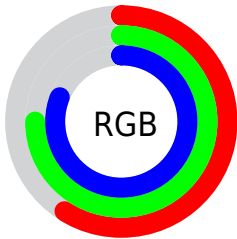
Format	Color
R_{YB}	150, 174, 207
Decimal	9879503
CIE _{Lab}	74.98, -9.91, -12.49
CIE _{LCh}	75, 15.941, 231.559
Yxy	48.2506, 0.2708, 0.3077
Android (android.graphics.Color)	4288069583 (0xFF96BFCF)
YUV	180.5650, 13.0325, -26.8055
Hunter-Lab	69.4627, -12.4208, -7.8013

Details

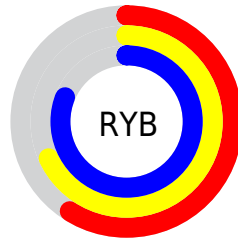
The XYZ color **42.4710, 48.2506, 66.1063** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.8741, 42.7404, 34.7401**, and the grayscale version is **43.6308, 45.9030, 49.9884**.

A 20% lighter version of the original color is **76.4876, 86.7207, 107.3152**, and **19.7680, 23.0183, 33.5381** is the 20% darker color. If you saturate the color by 10%, you get **37.7515, 43.9750, 65.5306**, and if you desaturate by 10%, it is **47.9166, 52.9775, 66.7325**.

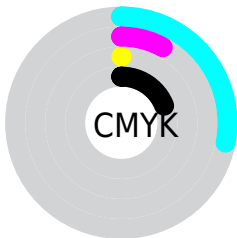
Distribution



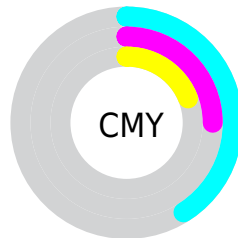
- Red (59%)
- Green (75%)
- Blue (81%)



- Red (59%)
- Yellow (68%)
- Blue (81%)



- Cyan (28%)
- Magenta (8%)
- Yellow (0%)
- Black (19%)



- Cyan (41%)
- Magenta (25%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4710, 48.2506, 66.1063 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 42.4710, 48.2506, 66.1063 by changing the saturation by 10% instead.

■ 42.4710, 48.2506,
66.1063

■ 42.4710, 48.2506,
66.1063

347.3902,
379.7846, 465.1715

■ 29.6630, 34.0254,
47.9017

■ 78.1727, 87.5774,
115.2673

■ 19.7297, 22.9131,
33.3896

■ 101.7970,
113.4478, 147.0608

■ 12.3059, 14.5294,
22.1515

129.7576,
143.9687, 184.2210

■ 7.0260, 8.4898,
13.7689

162.4196,
179.5245, 227.1665

■ 3.5249, 4.4099,
7.8232

200.1486,
220.4996, 276.3157

■ 1.4370, 1.9054,
3.8959

243.3098,

■ 0.2824, 0.5516,

267.2783, 332.0873

1.5684

292.2685,
320.2452, 394.8997

■ 0.0000, 0.0000,
0.2681

■ 0.0000, 0.0000,
0.0000

■ 42.4710, 48.2506,
66.1063

■ 42.4710, 48.2506,
66.1063

■ 37.7515, 43.9750,
65.5306

■ 47.9166, 52.9775,
66.7325

■ 33.7177, 40.1254,
65.0001

■ 54.1172, 58.1680,
67.4075

■ 30.3318, 36.6827,
64.5141

■ 61.1055, 63.8408,
68.1342

■ 27.5504, 33.6237,
64.0702

■ 68.9110, 70.0120,
68.9139

■ 25.3244, 30.9221,
63.6661

■ 77.5614, 76.6966,
69.7483

■ 23.5963, 28.5474,
63.2988

■ 79.6617, 80.0833,
70.2913

■ 22.2863, 26.4575,
62.9645

■ 81.2672, 83.2943,
70.8264

■ 21.9946, 25.9690,
62.8856

■ 82.9268, 86.6134,
71.3796

■ 84.6409, 90.0415,
71.9510

Harmonies

Analogous

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



40.8537, 48.2506, 58.6444



42.4710, 48.2506, 66.1063



45.0447, 48.2506, 70.0253

Triad

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



42.4710, 48.2506, 66.1063



51.6180, 48.2506, 54.9231



43.8363, 48.2506, 39.0044

Complementary

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



42.4710, 48.2506, 66.1063



44.8741, 42.7404, 34.7401

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.



46.6866, 48.2506, 38.2331



42.4710, 48.2506, 66.1063



51.2610, 48.2506, 46.8685

Square

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



42.4710, 48.2506, 66.1063



50.3819, 48.2506, 63.1365



49.4262, 48.2506, 40.9640



41.6185, 48.2506, 43.1950

Rectangle

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



42.4710, 48.2506, 66.1063



46.9905, 48.2506, 69.8422



49.4262, 48.2506, 40.9640



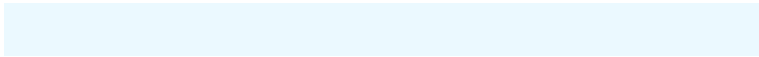
44.7493, 48.2506, 38.3556

Sweetspot

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



42.4725, 48.2525, 66.1074



86.1396, 92.7352, 107.9674



41.7014, 53.8346, 43.8873



18.0987, 19.5689, 23.0732



0.0000, 0.0000, 0.0000



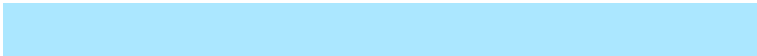
20.3446, 21.4041, 23.3091

Same Dimension

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



42.4725, 48.2525, 66.1074



63.4948, 73.2268, 105.3954



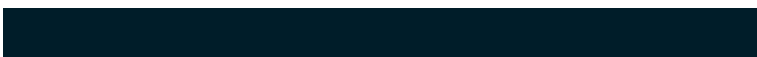
36.9919, 37.2914, 64.2805



11.8662, 12.8228, 15.0933



13.9409, 16.5285, 39.6480



0.8447, 1.0546, 2.2386

Inverse Universe

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



46.0437, 38.8410, 54.3626



70.2524, 56.1203, 83.0138



50.4632, 53.9186, 36.6031



12.1634, 11.9501, 14.1362



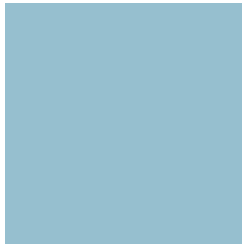
19.6675, 9.7398, 18.9529



1.1326, 0.5578, 1.2331

Previews

White Background



This preview shows how the XYZ color 42.4710, 48.2506, 66.1063 looks on a white background.

Color Contrast Check

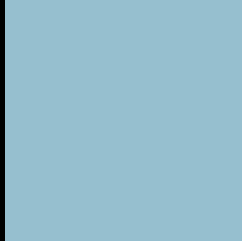
Large Text (above 18pt) WCAG AA × Fail

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 42.4710, 48.2506, 66.1063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

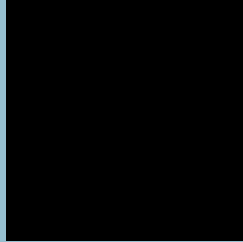
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.4710, 48.2506, 66.1063

Background



This preview shows how black text looks on a background with the XYZ color 42.4710, 48.2506, 66.1063.



This preview shows how white text looks on a background with the XYZ color 42.4710, 48.2506,

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

42.4710, 48.2506, 66.1063

Protanopia

46.8856, 48.0763, 62.6856

Deuteranopia

48.8639, 47.7908, 66.9707



Tritanopia

42.3491, 48.2019, 65.4644

Trichromacy



Original Color

42.4710, 48.2506, 66.1063

Protanomaly

45.0356, 48.0235, 64.0226

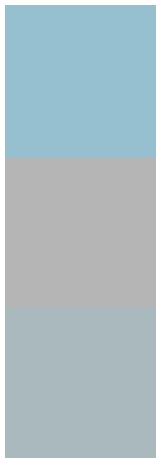
Deuteranomaly

45.9978, 47.5350, 66.4253

Tritanomaly

42.3491, 48.2019, 65.4644

Monochromacy



Original Color

42.4710, 48.2506, 66.1063

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.2208, 46.9617, 55.5017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4710, 48.2506, 66.1063 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(150, 191, 207)` looks like.

```
.text, #text, p{  
    color:rgb(150, 191, 207)  
}
```

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(150, 191, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 191, 207) }
```

Border

The CSS property to change the border of an element to XYZ 42.4710, 48.2506, 66.1063 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(150, 191, 207) }
```


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

```
.border{ border-color:rgb(150, 191, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 191, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 191, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 191, 207);  
box-shadow:4px 4px 4px 4px rgb(150, 191,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4710, 48.2506, 66.1063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 191, 207) }
```

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

```
.background{ background-color: rgb(150,  
191, 207) }
```

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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