

Converting Colors

XYZ(45.7746, 49.1062, 66.7411)

Have a look what the booklet for
XYZ(45.7746, 49.1062, 66.7411)
contains.

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Color

**XYZ(45.7306, 48.9555,
66.7136)**

Conversions

Conversions Part 1

Format	Color
Hex	A9BCD0
RGB	169, 188, 208
RGB Percent	66%, 74%, 82%
CMY	0.3372, 0.2627, 0.1843
CMYK	0.19, 0.10, 0.00, 0.18
HSL	211°, 29%, 74%
HSV	211°, 19%, 82%
XYZ	45.7306, 48.9555, 66.7136
YIQ	184.5990, -17.7440, 2.1920

Conversions

Conversions Part 2

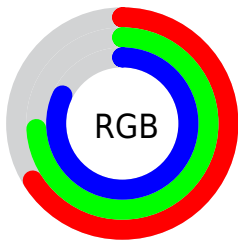
Format	Color
RYB	169, 182, 208
Decimal	11123920
CIELab	75.42, -2.27, -12.24
CIElCh	75, 12.451, 259.487
Yxy	48.9555, 0.2833, 0.3033
Android (android.graphics.Color)	4289314000 (0xFFA9BCD0)
YUV	184.5990, 11.5367, -13.6803
Hunter-Lab	69.9682, -5.7783, -7.5544

Details

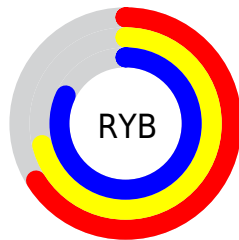
The XYZ color **45.7306, 48.9555, 66.7136** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.3720, 52.6698, 44.9960**, and the grayscale version is **45.8377, 48.2248, 52.5168**.

A 20% lighter version of the original color is **81.4520, 87.9289, 107.2867**, and **21.6992, 23.3740, 33.9398** is the 20% darker color. If you saturate the color by 10%, you get **39.4237, 42.4470, 65.7905**, and if you desaturate by 10%, it is **52.9187, 56.1708, 67.7282**.

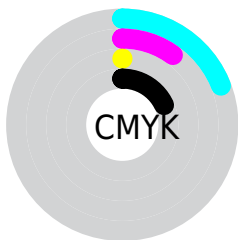
Distribution



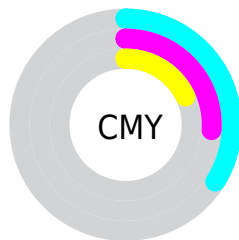
- Red (66%)
- Green (74%)
- Blue (82%)



- Red (66%)
- Yellow (71%)
- Blue (82%)



- Cyan (19%)
- Magenta (10%)
- Yellow (0%)
- Black (18%)



- Cyan (34%)
- Magenta (26%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7306, 48.9555, 66.7136 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 45.7306, 48.9555, 66.7136 by changing the saturation by 10% instead.

■ 45.7306, 48.9555,
66.7136

■ 45.7306, 48.9555,
66.7136

360.4586,
382.5671, 467.3984

■ 32.2370, 34.5842,
48.3918

■ 83.0460, 88.6254,
116.1467

■ 21.6990, 23.3427,
33.7751

■ 107.5985,
114.6927, 148.0950

■ 13.7513, 14.8468,
22.4449

136.5681,
145.4275, 185.4226

■ 8.0284, 8.7119,
13.9827

170.3200,
181.2141, 228.5480

■ 4.1651, 4.5538,
7.9700

209.2197,
222.4370, 277.8897

■ 1.7960, 1.9879,
3.9883

253.6324,

■ 0.5152, 0.6004,

269.4805, 333.8664

1.6189

303.9236,
322.7291, 396.8964

■ 0.0000, 0.0000,
0.3043

■ 0.0000, 0.0000,
0.0000

■ 45.7306, 48.9555,
66.7136

■ 45.7306, 48.9555,
66.7136

■ 39.4237, 42.4470,
65.7905

■ 52.9187, 56.1708,
67.7282

■ 33.9565, 36.6147,
64.9529

■ 61.0184, 64.1100,
68.8337

■ 29.2906, 31.4346,
64.1990

■ 70.0639, 72.7970,
70.0338

■ 25.3825, 26.8784,
63.5256

■ 80.0864, 82.2528,
71.3307

■ 22.1842, 22.9156,
62.9292

■ 84.1790, 88.9215,
72.4022

■ 19.6416, 19.5119,
62.4062

■ 87.4350, 95.4335,
73.4875

■ 17.6916, 16.6283,
61.9524

■ 88.3853, 97.3341,
73.8043

■ 16.2362, 14.2076,
61.5619

■ 16.0725, 13.9286,
61.5167

Harmonies

Analogous

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



43.7239, 48.9555, 63.4960



45.7306, 48.9555, 66.7136



48.0177, 48.9555, 66.1213

Triad

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



45.7306, 48.9555, 66.7136



50.8138, 48.9555, 49.2004



43.2574, 48.9555, 45.5122

Complementary

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



45.7306, 48.9555, 66.7136



51.3720, 52.6698, 44.9960

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.



45.0748, 48.9555, 42.2607



45.7306, 48.9555, 66.7136



49.4552, 48.9555, 44.2659

Square

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



45.7306, 48.9555, 66.7136



51.0035, 48.9555, 55.6424



47.3401, 48.9555, 41.8240



42.3274, 48.9555, 51.0325

Rectangle

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



45.7306, 48.9555, 66.7136



49.3922, 48.9555, 63.6595



47.3401, 48.9555, 41.8240



43.7819, 48.9555, 44.1376

Sweetspot

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



45.7321, 48.9575, 66.7147



87.1915, 92.3090, 107.8297



48.0502, 57.2002, 56.3693



18.4865, 19.5843, 23.0557



0.0000, 0.0000, 0.0000



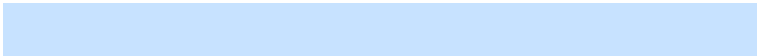
20.3446, 21.4041, 23.3091

Same Dimension

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



45.7321, 48.9575, 66.7147



68.8366, 73.8683, 105.2377



41.9364, 41.3662, 65.4495



11.6323, 12.3549, 15.0153



10.1132, 8.8731, 38.3721



0.6448, 0.6548, 2.1720

Inverse Universe

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



49.2787, 45.4179, 53.7484



75.4000, 67.5647, 81.1870



55.7306, 61.3871, 46.4489



12.0453, 11.9029, 13.5144



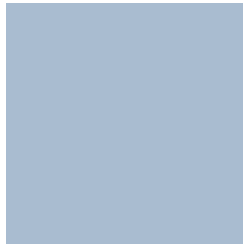
17.7354, 8.9670, 8.7789



1.0317, 0.5174, 0.7017

Previews

White Background



This preview shows how the XYZ color 45.7306, 48.9555, 66.7136 looks on a white background.

Color Contrast Check

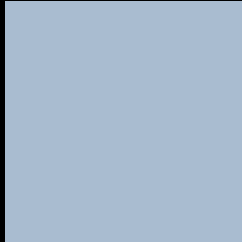
Large Text (above 18pt) WCAG AA × Fail

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 45.7306, 48.9555, 66.7136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

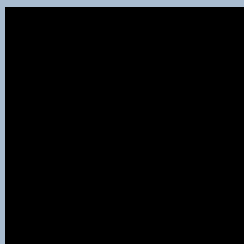
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.7306, 48.9555, 66.7136

Background



This preview shows how black text looks on a background with the XYZ color 45.7306, 48.9555, 66.7136.



This preview shows how white text looks on a background with the XYZ color 45.7306, 48.9555,

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

45.7306, 48.9555, 66.7136

Protanopia

47.8095, 48.8045, 65.2929

Deuteranopia

49.7707, 48.8577, 67.1289



Tritanopia

45.2451, 49.0797, 64.2154

Trichromacy



Original Color

45.7306, 48.9555, 66.7136

Protanomaly

46.9715, 48.6679, 65.9497

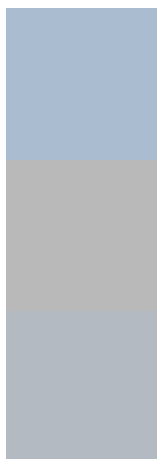
Deuteranomaly

48.4163, 49.0748, 67.2422

Tritanomaly

45.3655, 49.1278, 64.8492

Monochromacy



Original Color

45.7306, 48.9555, 66.7136

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.7750, 48.5518, 57.4109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7306, 48.9555, 66.7136 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(169, 188, 208)` looks like.

```
.text, #text, p{  
    color:rgb(169, 188, 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(169, 188, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 188, 208) }
```

Border

The CSS property to change the border of an element to XYZ 45.7306, 48.9555, 66.7136 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(169, 188, 208) }
```


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

```
.border{ border-color:rgb(169, 188, 208) }
```

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

Here you see how a box with a 4 pixel rgb(169, 188, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 188, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 188, 208);  
box-shadow:4px 4px 4px 4px rgb(169, 188,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7306, 48.9555, 66.7136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 188, 208) }
```

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

```
.background{ background-color: rgb(169,  
188, 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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