

Converting Colors

XYZ(45.1007, 48.2492, 65.7638)

Have a look what the booklet for
XYZ(45.1007, 48.2492, 65.7638)
contains.

XYZ(45.1813, 48.3705, 65.9866)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(45.1813, 48.3705,
65.9866)**

Conversions

Conversions Part 1	
Format	Color
Hex	A8BBCF
RGB	168, 187, 207
RGB Percent	66%, 73%, 81%
CMY	0.3412, 0.2667, 0.1882
CMYK	0.19, 0.10, 0.00, 0.19
HSL	211°, 29%, 74%
HSV	211°, 19%, 81%
XYZ	45.1813, 48.3705, 65.9866
YIQ	183.5990, -17.7440, 2.1920

Conversions

Conversions Part 2

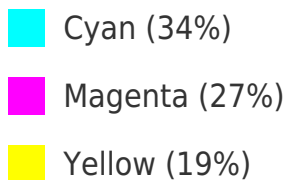
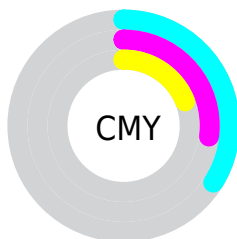
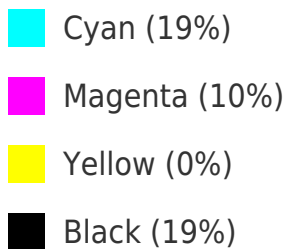
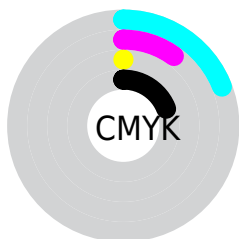
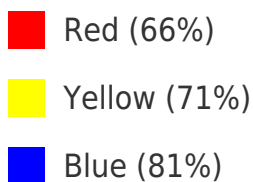
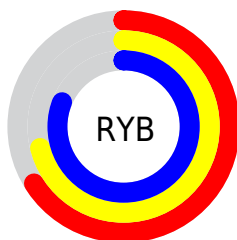
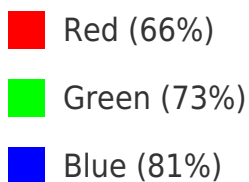
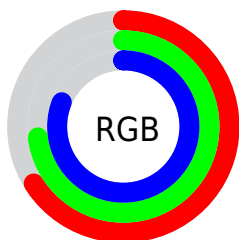
Format	Color
RYB	168, 181, 207
Decimal	11058127
CIELab	75.06, -2.27, -12.25
CIELCh	75, 12.462, 259.500
Yxy	48.3705, 0.2832, 0.3032
Android (android.graphics.Color)	4289248207 (0xFFA8BBCF)
YUV	183.5990, 11.5367, -13.6803
Hunter-Lab	69.5489, -5.7510, -7.5689

Details

The XYZ color **45.1813, 48.3705, 65.9866** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.7837, 52.0591, 44.4188**, and the grayscale version is **45.2855, 47.6439, 51.8842**.

A 20% lighter version of the original color is **80.8411, 87.1685, 107.1722**, and **21.3451, 22.9949, 33.4505** is the 20% darker color. If you saturate the color by 10%, you get **38.9514, 41.9398, 65.0745**, and if you desaturate by 10%, it is **52.2821, 55.4997, 66.9892**.


Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 45.1813, 48.3705, 65.9866 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 45.1813, 48.3705, 65.9866 by changing the saturation by 10% instead.


 45.1813, 48.3705,
65.9866


 45.1813, 48.3705,
65.9866


358.2787,
380.2588, 464.7319

 31.8021, 34.1204,
47.8051

 82.2278, 87.7558,
115.0939

 21.3652, 22.9861,
33.3137


 106.6258,
113.6597, 146.8568

 13.5052, 14.5832,
22.0938

135.4276,
144.2171, 183.9840

 7.8567, 8.5274,
13.7268

168.9983,
179.8123, 226.8939

 4.0544, 4.4342,
7.7944

207.7034,
220.8296, 276.0051

 1.7330, 1.9193,
3.8778


251.9083,


 0.4768, 0.5600,


267.6536, 331.7361


1.5585


301.9783,
320.6685, 394.5055


 0.0000, 0.0000,
0.2610


 0.0000, 0.0000,
0.0000


 45.1813, 48.3705,
65.9866


 45.1813, 48.3705,
65.9866


 38.9514, 41.9398,
65.0745


 52.2821, 55.4997,
66.9892


 33.5513, 36.1774,
64.2469

 60.2838, 63.3444,
68.0816

 28.9430, 31.0596,
63.5019

 69.2203, 71.9282,
69.2675

 25.0836, 26.5584,
62.8365

 79.1224, 81.2718,
70.5491

■ 21.9255, 22.6435,
62.2473

■ 83.6849, 88.1296,
71.6323

■ 19.4153, 19.2812,
61.7306

■ 86.9030, 94.5657,
72.7050

■ 17.4905, 16.4327,
61.2822

■ 88.2626, 97.2851,
73.1582

■ 16.0529, 14.0409,
60.8963

■ 15.9026, 13.7849,
60.8549

Harmonies

Analogous

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



43.1889, 48.3705, 62.7914



45.1813, 48.3705, 65.9866



47.4521, 48.3705, 65.3963

Triad

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



45.1813, 48.3705, 65.9866



50.2275, 48.3705, 48.5906



42.7244, 48.3705, 44.9347

Complementary

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



45.1813, 48.3705, 65.9866



50.7837, 52.0591, 44.4188

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.



44.5283, 48.3705, 41.7074



45.1813, 48.3705, 65.9866



48.8778, 48.3705, 43.6944

Square

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



45.1813, 48.3705, 65.9866



50.4165, 48.3705, 54.9859



46.7774, 48.3705, 41.2729



41.8018, 48.3705, 50.4147

Rectangle

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



45.1813, 48.3705, 65.9866



48.8169, 48.3705, 62.9496



46.7774, 48.3705, 41.2729



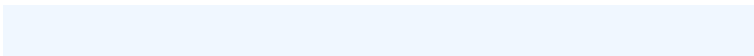
43.2450, 48.3705, 43.5704

Sweetspot

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



45.1828, 48.3725, 65.9877



87.1915, 92.3090, 107.8297



47.4855, 56.5607, 55.7104



18.4865, 19.5843, 23.0558



0.0000, 0.0000, 0.0000



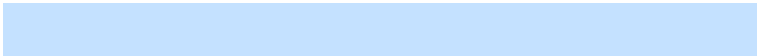
20.3446, 21.4041, 23.3091

Same Dimension

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



45.1828, 48.3725, 65.9877



67.8114, 72.8134, 105.0881



41.4147, 40.8363, 64.7317



11.6323, 12.3549, 15.0153



10.1133, 8.8732, 38.3722



0.6448, 0.6548, 2.1720

Inverse Universe

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



48.7056, 44.8597, 53.1077



74.6395, 66.3302, 80.0506



55.1137, 60.7190, 45.8621



12.0453, 11.9029, 13.5144



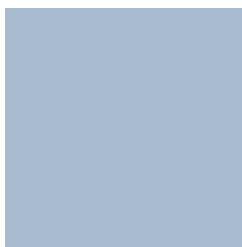
17.7355, 8.9670, 8.7790



1.0317, 0.5174, 0.7017

Previews

White Background



This preview shows how the XYZ color 45.1813, 48.3705, 65.9866 looks on a white background.

Color Contrast Check

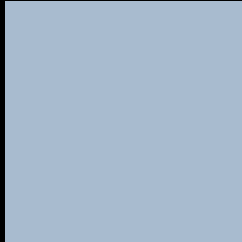
Large Text (above 18pt) WCAG AA × Fail

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 45.1813, 48.3705, 65.9866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

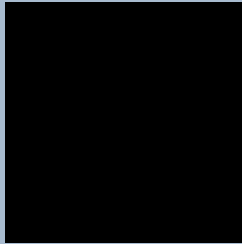
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

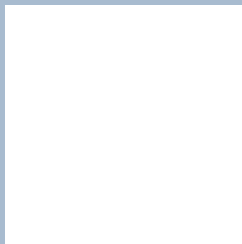
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.1813, 48.3705, 65.9866

Background



This preview shows how black text looks on a background with the XYZ color 45.1813, 48.3705, 65.9866.



This preview shows how white text looks on a background with the XYZ color 45.1813, 48.3705,

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

45.1813, 48.3705, 65.9866

Protanopia

47.2443, 48.2198, 64.5749

Deuteranopia

49.1923, 48.2729, 66.3994



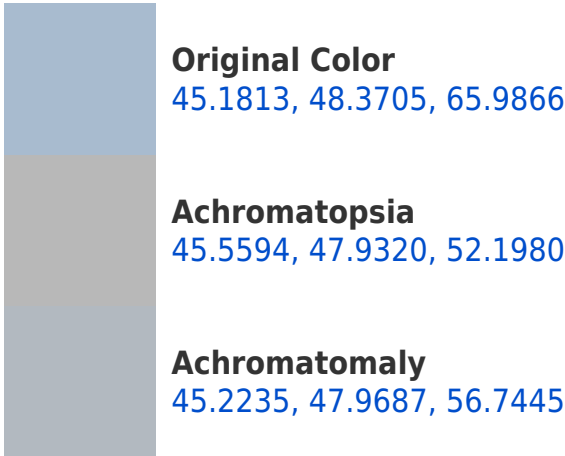
Tritanopia

44.6991, 48.4937, 63.5042

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1813, 48.3705, 65.9866 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(168, 187, 207) looks like.

```
.text, #text, p{  
    color:rgb(168, 187, 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(168, 187, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 187, 207) }
```

Border

The CSS property to change the border of an element to XYZ 45.1813, 48.3705, 65.9866 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(168, 187, 207) }
```


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

```
.border{ border-color:rgb(168, 187, 207) }
```

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

Here you see how a box with a 4 pixel rgb(168, 187, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 187, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 187, 207);  
box-shadow:4px 4px 4px 4px rgb(168, 187,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1813, 48.3705, 65.9866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 187, 207) }
```

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

```
.background{ background-color: rgb(168,  
187, 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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor