

Converting Colors

XYZ(45.6588, 50.2884, 63.1773)

Have a look what the booklet for
XYZ(45.6588, 50.2884, 63.1773)
contains.

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Color

**XYZ(45.6588, 50.2884,
63.1773)**

Conversions

Conversions Part 1

Format	Color
Hex	A8C0CA
RGB	168, 192, 202
RGB Percent	66%, 75%, 79%
CMY	0.3412, 0.2470, 0.2078
CMYK	0.17, 0.05, 0.00, 0.21
HSL	198°, 24%, 73%
HSV	198°, 17%, 79%
XYZ	45.6588, 50.2884, 63.1773
YIQ	185.9640, -17.5140, -1.9780

Conversions

Conversions Part 2

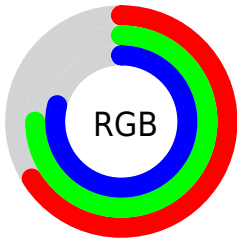
Format	Color
R _Y B	168, 182, 202
Decimal	11059402
CIE Lab	76.25, -6.02, -7.77
CIE LCh	76, 9.829, 232.220
Yxy	50.2884, 0.2869, 0.3160
Android (android.graphics.Color)	4289249482 (0xFFA8C0CA)
YUV	185.9640, 7.9057, -15.7544
Hunter-Lab	70.9143, -9.1713, -3.1812

Details

The XYZ color **45.6588, 50.2884, 63.1773** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.3459, 47.2245, 43.6667**, and the grayscale version is **46.6174, 49.0451, 53.4101**.

A 20% lighter version of the original color is **82.0488, 90.0428, 107.6633**, and **21.7804, 24.3164, 31.5626** is the 20% darker color. If you saturate the color by 10%, you get **40.4103, 45.6867, 62.5665**, and if you desaturate by 10%, it is **51.6310, 55.3439, 63.8391**.

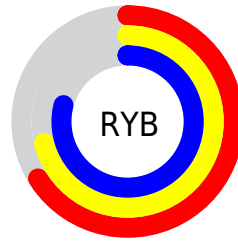
Distribution



Red (66%)

Green (75%)

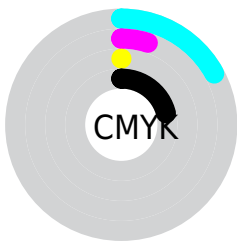
Blue (79%)



Red (66%)

Yellow (71%)

Blue (79%)

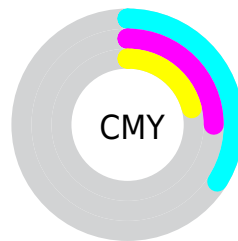


Cyan (17%)

Magenta (5%)

Yellow (0%)

Black (21%)



Cyan (34%)

Magenta (25%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6588, 50.2884, 63.1773 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 45.6588, 50.2884, 63.1773 by changing the saturation by 10% instead.

■ 45.6588, 50.2884,
63.1773

■ 45.6588, 50.2884,
63.1773

360.1742,
387.7927, 454.3383

■ 32.1801, 35.6426,
45.5427

■ 82.9391, 90.6020,
111.0133

■ 21.6553, 24.1583,
31.5391

■ 107.4715,
117.0387, 142.0518

■ 13.7191, 15.4511,
20.7478

136.4192,
148.1744, 178.3954

■ 8.0059, 9.1366,
12.7503

170.1475,
184.3935, 220.4626

■ 4.1506, 4.8304,
7.1281

209.0218,
226.0805, 268.6720

■ 1.7877, 2.1481,
3.4627

253.4074,

■ 0.5102, 0.6915,

273.6198, 323.4420

1.3355

303.6698,
327.3957, 385.1913

■ 0.0000, 0.0000,
0.0906

■ 0.0000, 0.0000,
0.0000

■ 45.6588, 50.2884,
63.1773

■ 45.6588, 50.2884,
63.1773

■ 40.4103, 45.6867,
62.5665

■ 51.6310, 55.3439,
63.8391

■ 35.8496, 41.5156,
62.0018

■ 58.3518, 60.8630,
64.5502

■ 31.9445, 37.7587,
61.4825

■ 65.8502, 66.8630,
65.3131

■ 28.6581, 34.3962,
61.0066

■ 74.1527, 73.3582,
66.1292

■ 25.9499, 31.4061,
60.5722

■ 77.9432, 77.6091,
66.7500

■ 23.7739, 28.7638,
60.1769

■ 79.5460, 80.8146,
67.2842

■ 22.0768, 26.4408,
59.8180

■ 81.2048, 84.1323,
67.8372

■ 20.7880, 24.3998,
59.4919

■ 82.9204, 87.5634,
68.4090

■ 20.4240, 23.7906,
59.3935

■ 84.6931, 91.1088,
68.9999

Harmonies

Analogous

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



44.5907, 50.2884, 58.6849



45.6588, 50.2884, 63.1773



47.3194, 50.2884, 65.4421

Triad

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



45.6588, 50.2884, 63.1773



51.3963, 50.2884, 56.1412



46.4696, 50.2884, 45.8852

Complementary

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



45.6588, 50.2884, 63.1773



47.3459, 47.2245, 43.6667

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.



48.2790, 50.2884, 45.3007



45.6588, 50.2884, 63.1773



51.1547, 50.2884, 51.0055

Square

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



45.6588, 50.2884, 63.1773



50.6543, 50.2884, 61.2131



50.0022, 50.2884, 47.1175



45.0504, 50.2884, 48.7689

Rectangle

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



45.6588, 50.2884, 63.1773



48.5518, 50.2884, 65.2884



50.0022, 50.2884, 47.1175



47.0512, 50.2884, 45.4212

Sweetspot

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



45.6603, 50.2905, 63.1784



89.3294, 95.2928, 108.2929



45.2691, 53.7665, 49.9198



18.9538, 20.2585, 23.1613



0.0000, 0.0000, 0.0000



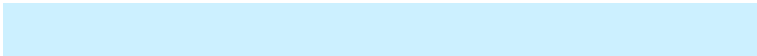
20.3446, 21.4041, 23.3091

Same Dimension

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



45.6603, 50.2905, 63.1784



74.1130, 82.3798, 106.6025



42.2116, 43.3931, 62.0289



11.2539, 12.1482, 14.3221



13.2227, 15.4694, 38.2453



0.7459, 0.9256, 1.9943

Inverse Universe

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



47.8754, 44.3688, 55.9123



78.5616, 70.7372, 91.9540



50.8590, 54.2508, 44.8377



11.5415, 11.3453, 13.3861



18.8851, 9.3646, 17.6456



1.0064, 0.4960, 1.0798

Previews

White Background



This preview shows how the XYZ color 45.6588, 50.2884, 63.1773 looks on a white background.

Color Contrast Check

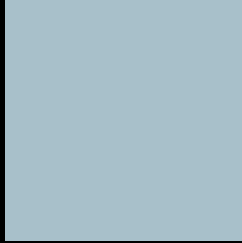
Large Text (above 18pt) WCAG AA × Fail

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 45.6588, 50.2884, 63.1773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

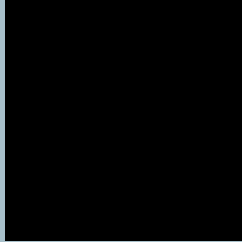
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

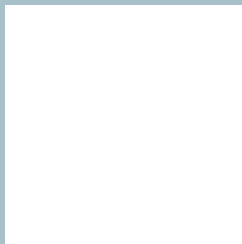
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.6588, 50.2884, 63.1773

Background



This preview shows how black text looks on a background with the XYZ color 45.6588, 50.2884, 63.1773.

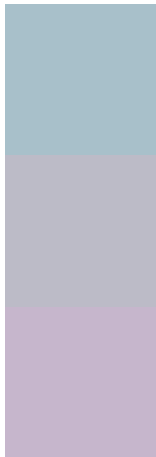


This preview shows how white text looks on a background with the XYZ color 45.6588, 50.2884,

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

45.6588, 50.2884, 63.1773

Protanopia

48.8182, 50.3555, 61.1794

Deuteranopia

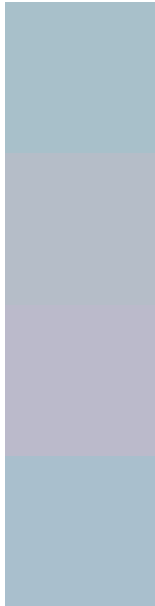
50.9157, 49.8213, 64.0597



Tritanopia

46.2555, 50.2016, 66.2834

Trichromacy



Original Color

45.6588, 50.2884, 63.1773

Protanomaly

47.6790, 50.3891, 61.8567

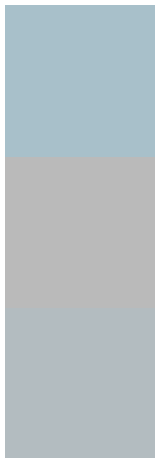
Deuteranomaly

48.8319, 49.9944, 63.5761

Tritanomaly

46.0124, 50.1044, 65.0036

Monochromacy



Original Color

45.6588, 50.2884, 63.1773

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.0881, 49.3559, 56.9667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6588, 50.2884, 63.1773 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, 192, 202)` looks like.

```
.text, #text, p{  
    color:rgb(168, 192, 202)  
}
```

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, 192, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 192, 202) }
```

Border

The CSS property to change the border of an element to XYZ 45.6588, 50.2884, 63.1773 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, 192, 202) }
```


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

```
.border{ border-color:rgb(168, 192, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 192, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 192, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 192, 202);  
box-shadow:4px 4px 4px 4px rgb(168, 192,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6588, 50.2884, 63.1773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 192, 202) }
```

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

```
.background{ background-color: rgb(168,  
192, 202) }
```

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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