

Converting Colors

XYZ(45.5983, 49.1480, 69.3706)

Have a look what the booklet for
XYZ(45.5983, 49.1480, 69.3706)
contains.

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Color

**XYZ(45.5983, 49.1480,
69.3706)**

Conversions

Conversions Part 1

Format	Color
Hex	A5BDD4
RGB	165, 189, 212
RGB Percent	65%, 74%, 83%
CMY	0.3529, 0.2588, 0.1686
CMYK	0.22, 0.11, 0.00, 0.17
HSL	209°, 35%, 74%
HSV	209°, 22%, 83%
XYZ	45.5983, 49.1480, 69.3706
YIQ	184.4460, -21.6870, 2.0650

Conversions

Conversions Part 2

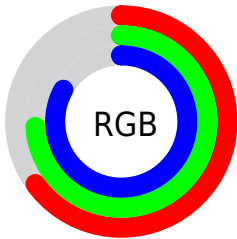
Format	Color
RYB	165, 181, 212
Decimal	10862036
CIELab	75.54, -3.17, -14.26
CIELCh	76, 14.609, 257.484
Yxy	49.1480, 0.2778, 0.2995
Android (android.graphics.Color)	4289052116 (0xFFA5BDD4)
YUV	184.4460, 13.5841, -17.0541
Hunter-Lab	70.1056, -6.5844, -9.5944

Details

The XYZ color **45.5983, 49.1480, 69.3706** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.9266, 52.6802, 43.0299**, and the grayscale version is **45.7436, 48.1258, 52.4090**.

A 20% lighter version of the original color is **80.5212, 87.8970, 107.3296**, and **21.5721, 23.4874, 35.2948** is the 20% darker color. If you saturate the color by 10%, you get **39.3970, 42.7573, 68.4647**, and if you desaturate by 10%, it is **52.6931, 56.2388, 70.3661**.

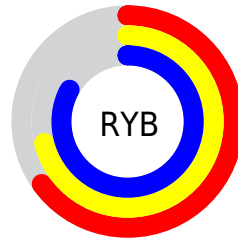
Distribution



Red (65%)

Green (74%)

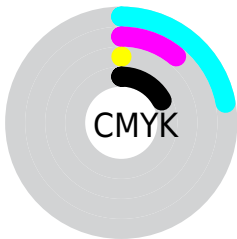
Blue (83%)



Red (65%)

Yellow (71%)

Blue (83%)

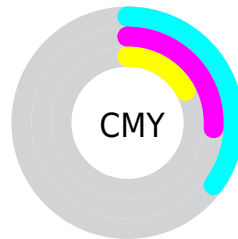


Cyan (22%)

Magenta (11%)

Yellow (0%)

Black (17%)



Cyan (35%)

Magenta (26%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.5983, 49.1480, 69.3706 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 45.5983, 49.1480, 69.3706 by changing the saturation by 10% instead.

■ 45.5983, 49.1480,
69.3706

■ 45.5983, 49.1480,
69.3706

359.9344,
383.3247, 477.0663

■ 32.1322, 34.7369,
50.5400

■ 82.8490, 88.9112,
119.9834

■ 21.6186, 23.4603,
35.4684

■ 107.3644,
115.0321, 152.6027

■ 13.6919, 14.9337,
23.7375

136.2936,
145.8251, 190.6553

■ 7.9870, 8.7729,
14.9286

170.0020,
181.6745, 234.5596

■ 4.1383, 4.5933,
8.6232

208.8549,
222.9648, 284.7344

■ 1.7807, 2.0107,
4.4028

253.2177,

■ 0.5060, 0.6137,

270.0803, 341.5980

1.8488

303.4558,
323.4055, 405.5692

■ 0.0000, 0.0000,
0.4599

■ 0.0000, 0.0000,
0.0000

■ 45.5983, 49.1480,
69.3706

■ 45.5983, 49.1480,
69.3706

■ 39.3970, 42.7573,
68.4647

■ 52.6931, 56.2388,
70.3661

■ 34.0455, 37.0354,
67.6423

■ 60.7137, 64.0473,
71.4506

■ 29.5027, 31.9574,
66.9016

■ 69.6962, 72.5981,
72.6276

■ 25.7223, 27.4941,
66.2394

■ 79.6732, 81.9124,
73.8996

■ 22.6526, 23.6135,
65.6521

■ 84.5411, 88.8482,
74.9818

■ 20.2346, 20.2794,
65.1360

■ 87.6977, 95.1612,
76.0340

■ 18.3983, 17.4497,
64.6866

■ 88.8838, 97.5335,
76.4294

■ 17.2745, 15.5348,
64.3762

Harmonies

Analogous

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



43.2943, 49.1480, 65.2310



45.5983, 49.1480, 69.3706



48.2900, 49.1480, 68.9750

Triad

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



45.5983, 49.1480, 69.3706



51.8393, 49.1480, 49.1723



42.9927, 49.1480, 44.0868

Complementary

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



45.5983, 49.1480, 69.3706



51.9266, 52.6802, 43.0299

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.



45.1721, 49.1480, 40.5551



45.5983, 49.1480, 69.3706



50.3085, 49.1480, 43.2912

Square

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



45.5983, 49.1480, 69.3706



51.9642, 49.1480, 56.7990



47.8471, 49.1480, 40.2786



41.8293, 49.1480, 50.3578

Rectangle

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



45.5983, 49.1480, 69.3706



49.9428, 49.1480, 66.1925



47.8471, 49.1480, 40.2786



43.6268, 49.1480, 42.5673

Sweetspot

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



45.5998, 49.1500, 69.3717



86.0618, 91.3237, 107.6990



48.1081, 58.7059, 56.2138



18.2621, 19.3925, 23.0306



0.0000, 0.0000, 0.0000



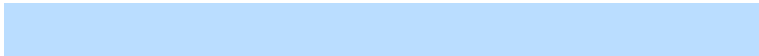
20.3446, 21.4041, 23.3091

Same Dimension

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



45.5998, 49.1500, 69.3717



64.2747, 69.5550, 104.6456



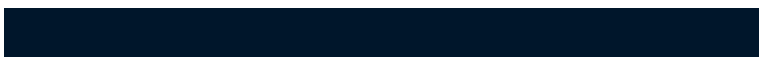
40.9986, 39.9477, 67.8380



12.2617, 13.0468, 15.8095



10.7649, 9.7916, 39.7757



0.7321, 0.7561, 2.4267

Inverse Universe

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



49.7930, 44.5826, 54.1273



71.9231, 61.6781, 76.7381



57.2919, 63.4108, 44.8183



12.6853, 12.5256, 14.2830



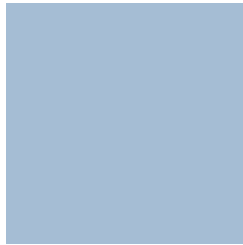
18.4925, 9.3333, 9.8974



1.1572, 0.5797, 0.8170

Previews

White Background



This preview shows how the XYZ color 45.5983, 49.1480, 69.3706 looks on a white background.

Color Contrast Check

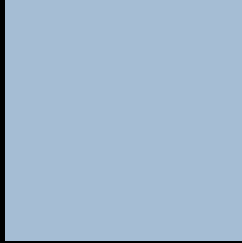
Large Text (above 18pt) WCAG AA × Fail

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 45.5983, 49.1480, 69.3706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

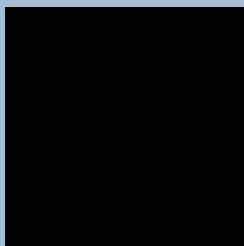
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

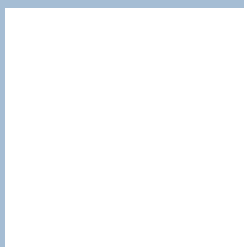
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.5983, 49.1480, 69.3706

Background



This preview shows how black text looks on a background with the XYZ color 45.5983, 49.1480, 69.3706.



This preview shows how white text looks on a background with the XYZ color 45.5983, 49.1480,

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

45.5983, 49.1480, 69.3706

Protanopia

47.9405, 48.8295, 67.2199

Deuteranopia

50.1473, 48.9792, 70.4292



Tritanopia

44.7427, 49.1272, 64.8819

Trichromacy



Original Color

45.5983, 49.1480, 69.3706

Protanomaly

47.0963, 49.0011, 67.9487

Deuteranomaly

48.4421, 49.0302, 69.8614

Tritanomaly

45.1085, 49.2735, 66.8078

Monochromacy



Original Color

45.5983, 49.1480, 69.3706

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.4280, 48.3600, 57.9790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5983, 49.1480, 69.3706 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(165, 189, 212)` looks like.

```
.text, #text, p{  
    color:rgb(165, 189, 212)  
}
```

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(165, 189, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 189, 212) }
```

Border

The CSS property to change the border of an element to XYZ 45.5983, 49.1480, 69.3706 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(165, 189, 212) }
```


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

```
.border{ border-color:rgb(165, 189, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 189, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 189, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 189, 212);  
box-shadow:4px 4px 4px 4px rgb(165, 189,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5983, 49.1480, 69.3706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 189, 212) }
```

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

```
.background{ background-color: rgb(165,  
189, 212) }
```

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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