

Converting Colors

XYZ(45.8426, 52.4964, 70.0720)

Have a look what the booklet for
XYZ(45.8426, 52.4964, 70.0720)
contains.

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Color

**XYZ(45.8247, 52.5689,
70.0189)**

Conversions

Conversions Part 1

Format	Color
Hex	9BC7D4
RGB	155, 199, 212
RGB Percent	61%, 78%, 83%
CMY	0.3921, 0.2196, 0.1686
CMYK	0.27, 0.06, 0.00, 0.17
HSL	194°, 40%, 72%
HSV	194°, 27%, 83%
XYZ	45.8247, 52.5689, 70.0189
YIQ	187.3260, -30.3970, -5.2850

Conversions

Conversions Part 2

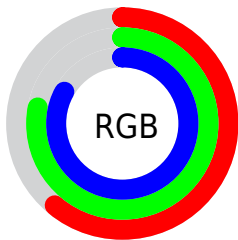
Format	Color
RYB	155, 180, 212
Decimal	10209236
CIELab	77.62, -11.47, -11.22
CIELCh	78, 16.042, 224.360
Yxy	52.5689, 0.2721, 0.3121
Android (android.graphics.Color)	4288399316 (0xFF9BC7D4)
YUV	187.3260, 12.1643, -28.3499
Hunter-Lab	72.5044, -14.0660, -6.5044

Details

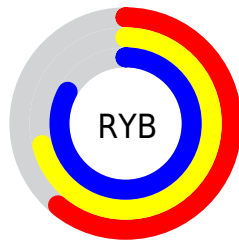
The XYZ color **45.8247, 52.5689, 70.0189** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.0711, 44.3693, 37.0949**, and the grayscale version is **47.3652, 49.8318, 54.2669**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **21.6907, 25.5099, 35.6790** is the 20% darker color. If you saturate the color by 10%, you get **41.0135, 48.4648, 69.4812**, and if you desaturate by 10%, it is **51.3887, 57.1162, 70.6042**.

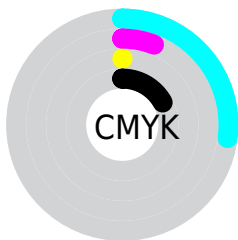
Distribution



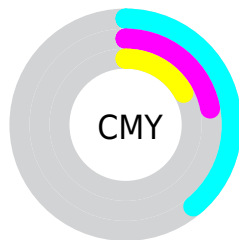
- Red (61%)
- Green (78%)
- Blue (83%)



- Red (61%)
- Yellow (71%)
- Blue (83%)



- Cyan (27%)
- Magenta (6%)
- Yellow (0%)
- Black (17%)



- Cyan (39%)
- Magenta (22%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8247, 52.5689, 70.0189 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 45.8247, 52.5689, 70.0189 by changing the saturation by 10% instead.

■ 45.8247, 52.5689,
70.0189

■ 45.8247, 52.5689,
70.0189

360.8312,
396.6290, 479.4073

■ 32.3115, 37.4587,
51.0650

■ 83.1861, 93.9697,
120.9171

■ 21.7563, 25.5629,
35.8833

■ 107.7650,
121.0291, 153.6985

■ 13.7935, 16.4969,
24.0551

136.7632,
152.8404, 191.9261

■ 8.0579, 9.8765,
15.1619

170.5461,
189.7880, 236.0186

■ 4.1842, 5.3171,
8.7852

209.4789,
232.2563, 286.3944

■ 1.8068, 2.4345,
4.5065

253.9272,

■ 0.5218, 0.8436,

280.6296, 343.4721

1.9071

304.2562,
335.2923, 407.6702

■ 0.0000, 0.0000,
0.4972

■ 0.0000, 0.0000,
0.0000

■ 45.8247, 52.5689,
70.0189

■ 45.8247, 52.5689,
70.0189

■ 41.0135, 48.4648,
69.4812

■ 51.3887, 57.1162,
70.6042

■ 36.9127, 44.7776,
68.9856

■ 57.7357, 62.1187,
71.2353

■ 33.4828, 41.4877,
68.5314

■ 64.8999, 67.5960,
71.9149

■ 30.6783, 38.5713,
68.1163

■ 72.9122, 73.5643,
72.6446

■ 28.4479, 36.0013,
67.7378

■ 79.5584, 78.8826,
73.3209

■ 26.7317, 33.7464,
67.3930

■ 80.8699, 81.5056,
73.7580

■ 25.4512, 31.7656,
67.0781

■ 82.2186, 84.2030,
74.2076

■ 25.0982, 31.1823,
66.9842

■ 83.6047, 86.9754,
74.6697

■ 85.0287, 89.8233,
75.1443

Harmonies

Analogous

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



44.4119, 52.5689, 61.5764



45.8247, 52.5689, 70.0189



48.3758, 52.5689, 75.2958

Triad

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



45.8247, 52.5689, 70.0189



55.9260, 52.5689, 61.9638



48.5018, 52.5689, 42.2465

Complementary

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



45.8247, 52.5689, 70.0189



47.0711, 44.3693, 37.0949

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.



51.5889, 52.5689, 42.3271



45.8247, 52.5689, 70.0189



55.9631, 52.5689, 53.1094

Square

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



45.8247, 52.5689, 70.0189



54.2483, 52.5689, 70.3276



54.3478, 52.5689, 46.1165



45.9136, 52.5689, 45.8836

Rectangle

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



45.8247, 52.5689, 70.0189



50.4196, 52.5689, 75.9972



54.3478, 52.5689, 46.1165



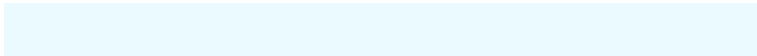
49.5135, 52.5689, 41.8526

Sweetspot

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



45.8263, 52.5710, 70.0201



86.4729, 93.4020, 108.0785



44.0696, 56.8595, 45.3826



18.1830, 19.7376, 23.1013



0.0000, 0.0000, 0.0000



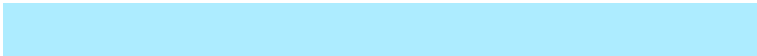
20.3446, 21.4041, 23.3091

Same Dimension

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



45.8263, 52.5710, 70.0201



65.4808, 76.3672, 105.8969



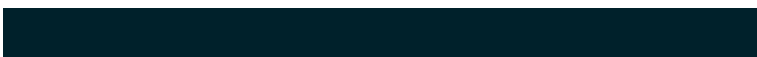
39.9937, 40.9058, 68.0759



12.5409, 13.6052, 15.9026



15.5729, 19.4075, 41.3784



0.9993, 1.2907, 2.5158

Inverse Universe

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



49.1828, 41.5646, 59.4657



71.4578, 57.3798, 86.9655



52.7749, 55.7769, 38.9961



12.8262, 12.5820, 15.0251



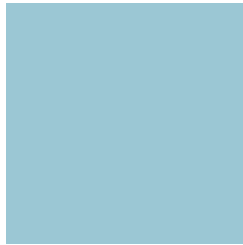
20.9193, 10.3040, 22.6770



1.2921, 0.6336, 1.5274

Previews

White Background



This preview shows how the XYZ color 45.8247, 52.5689, 70.0189 looks on a white background.

Color Contrast Check

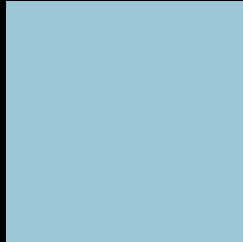
Large Text (above 18pt) WCAG AA × Fail

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 45.8247, 52.5689, 70.0189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

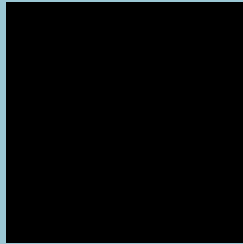
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.8247, 52.5689, 70.0189

Background



This preview shows how black text looks on a background with the XYZ color 45.8247, 52.5689, 70.0189.



This preview shows how white text looks on a background with the XYZ color 45.8247, 52.5689,

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

45.8247, 52.5689, 70.0189

Protanopia

50.7892, 52.2303, 65.7971

Deuteranopia

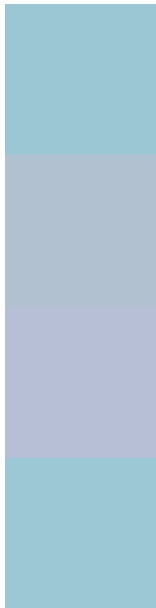
53.3778, 52.1662, 71.5458



Tritanopia

46.2713, 52.7698, 71.3652

Trichromacy



Original Color

45.8247, 52.5689, 70.0189

Protanomaly

48.5866, 52.0411, 67.1587

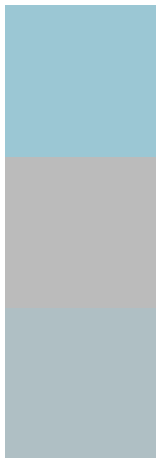
Deuteranomaly

50.2968, 52.1839, 71.0399

Tritanomaly

46.1440, 52.7189, 70.6945

Monochromacy



Original Color

45.8247, 52.5689, 70.0189

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.2738, 50.3611, 59.5063

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8247, 52.5689, 70.0189 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(155, 199, 212)` looks like.

```
.text, #text, p{  
    color:rgb(155, 199, 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(155, 199, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 199, 212) }
```

Border

The CSS property to change the border of an element to XYZ 45.8247, 52.5689, 70.0189 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(155, 199, 212) }
```


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

```
.border{ border-color:rgb(155, 199, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 199, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 199, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 199, 212); box-shadow:4px 4px 4px 4px rgb(155, 199, 212) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8247, 52.5689, 70.0189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 199, 212) }
```

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

```
.background{ background-color: rgb(155,  
199, 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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