

Converting Colors

XYZ(45.9273, 53.8809, 66.7229)

Have a look what the booklet for
XYZ(45.9273, 53.8809, 66.7229)
contains.

XYZ(45.9006, 53.7146, 66.9802)	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(45.9006, 53.7146,
66.9802)**

Conversions

Conversions Part 1

Format	Color
Hex	9BCACF
RGB	155, 202, 207
RGB Percent	61%, 79%, 81%
CMY	0.3921, 0.2078, 0.1882
CMYK	0.25, 0.02, 0.00, 0.19
HSL	186°, 35%, 71%
HSV	186°, 25%, 81%
XYZ	45.9006, 53.7146, 66.9802
YIQ	188.5170, -29.6170, -8.4090

Conversions

Conversions Part 2

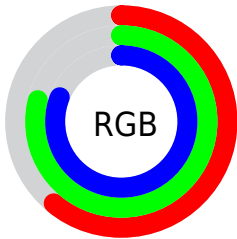
Format	Color
R _Y B	155, 180, 207
Decimal	10209999
CIE Lab	78.30, -14.16, -7.52
CIE LCh	78, 16.035, 207.958
Yxy	53.7146, 0.2755, 0.3224
Android (android.graphics.Color)	4288400079 (0xFF9BCACF)
YUV	188.5170, 9.1121, -29.3944
Hunter-Lab	73.2902, -16.4660, -2.8822

Details

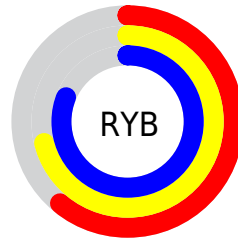
The XYZ color **45.9006, 53.7146, 66.9802** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.2200, 40.7739, 36.5510**, and the grayscale version is **48.0571, 50.5599, 55.0597**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **21.8192, 26.3045, 34.0643** is the 20% darker color. If you saturate the color by 10%, you get **41.8001, 50.9135, 66.6565**, and if you desaturate by 10%, it is **50.6913, 56.8831, 67.3402**.

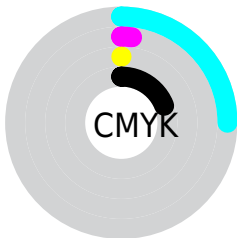
Distribution



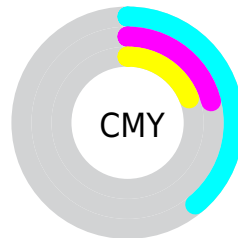
- Red (61%)
- Green (79%)
- Blue (81%)



- Red (61%)
- Yellow (71%)
- Blue (81%)



- Cyan (25%)
- Magenta (2%)
- Yellow (0%)
- Black (19%)



- Cyan (39%)
- Magenta (21%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9006, 53.7146, 66.9802 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 45.9006, 53.7146, 66.9802 by changing the saturation by 10% instead.

■ 45.9006, 53.7146,
66.9802

■ 45.9006, 53.7146,
66.9802

361.1315,
401.0208, 468.3739

■ 32.3717, 38.3735,
48.6070

■ 83.2990, 95.6551,
116.5324

■ 21.8025, 26.2727,
33.9445

■ 107.8992,
123.0233, 148.5486

■ 13.8276, 17.0278,
22.5739

136.9205,
155.1693, 185.9494

■ 8.0818, 10.2543,
14.0769

170.7283,
192.4776, 229.1536

■ 4.1996, 5.5679,
8.0348

209.6880,
235.3324, 278.5796

■ 1.8156, 2.5842,
4.0291

254.1648,

■ 0.5271, 0.9187,

284.1183, 334.6459

1.6413

304.5242,
339.2196, 397.7712

■ 0.0000, 0.0000,
0.3201

■ 0.0000, 0.0000,
0.0000

■ 45.9006, 53.7146,
66.9802

■ 45.9006, 53.7146,
66.9802

■ 41.8001, 50.9135,
66.6565

■ 50.6913, 56.8831,
67.3402

■ 38.3503, 48.4555,
66.3639

■ 56.1997, 60.4293,
67.7343

■ 35.5149, 46.3230,
66.1018

■ 62.4577, 64.3708,
68.1653

■ 33.2523, 44.4947,
65.8681

■ 69.4936, 68.7224,
68.6344

■ 31.5154, 42.9461,
65.6608

■ 76.0339, 72.8276,
69.0821

■ 30.2498, 41.6493,
65.4771

■ 76.5342, 73.8281,
69.2488

■ 29.3889, 40.5699,
65.3142

■ 77.0406, 74.8409,
69.4176

■ 29.0557, 40.0911,
65.2393

■ 77.5532, 75.8661,
69.5885

■ 78.0719, 76.9036,
69.7614

Harmonies

Analogous

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



45.2503, 53.7146, 57.8716



45.9006, 53.7146, 66.9802



47.9149, 53.7146, 74.4158

Triad

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



45.9006, 53.7146, 66.9802



56.3493, 53.7146, 68.1561



51.2697, 53.7146, 42.8403

Complementary

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



45.9006, 53.7146, 66.9802



44.2200, 40.7739, 36.5510

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.



54.3275, 53.7146, 45.0092



45.9006, 53.7146, 66.9802



57.3341, 53.7146, 59.1049

Square

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



45.9006, 53.7146, 66.9802



53.9397, 53.7146, 75.1422



56.5796, 53.7146, 50.7422



48.2733, 53.7146, 44.4933

Rectangle

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



45.9006, 53.7146, 66.9802



49.8038, 53.7146, 77.0957



56.5796, 53.7146, 50.7422



52.3252, 53.7146, 43.1415

Sweetspot

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



45.9022, 53.7168, 66.9814



87.3167, 95.0896, 108.3598



42.1184, 54.1100, 41.1783



18.3969, 20.1653, 23.1726



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.



45.9022, 53.7168, 66.9814



69.9842, 83.6626, 107.0677



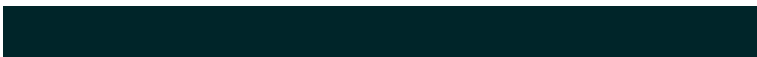
40.4375, 42.7875, 65.1599



12.0572, 13.2047, 15.1569



18.3444, 25.3354, 41.1159



1.0546, 1.4743, 2.3086

Inverse Universe

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



48.1154, 40.9736, 61.2523



74.1487, 60.0556, 96.2045



49.0683, 50.4706, 38.1672



12.2598, 11.9887, 14.6438



21.8901, 10.6289, 30.6573



1.2385, 0.6001, 1.7909

Previews

White Background



This preview shows how the XYZ color 45.9006, 53.7146, 66.9802 looks on a white background.

Color Contrast Check

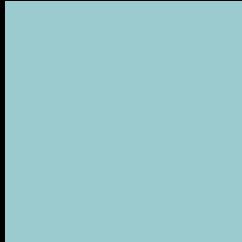
Large Text (above 18pt) WCAG AA × Fail

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 45.9006, 53.7146, 66.9802 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 45.9006, 53.7146, 66.9802

Background



This preview shows how black text looks on a background with the XYZ color 45.9006, 53.7146, 66.9802.



This preview shows how white text looks on a background with the XYZ color 45.9006, 53.7146,

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

45.9006, 53.7146, 66.9802

Protanopia

51.6404, 53.3857, 62.8411

Deuteranopia

54.5179, 53.4570, 68.4176



Tritanopia

47.3157, 53.9511, 73.5655

Trichromacy



Original Color

45.9006, 53.7146, 66.9802

Protanomaly

49.3418, 53.4950, 64.2249

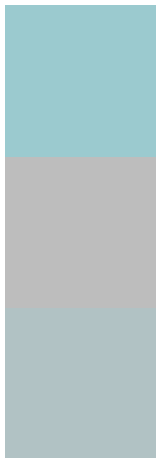
Deuteranomaly

50.8283, 53.1825, 67.9079

Tritanomaly

46.6072, 53.6453, 70.8489

Monochromacy



Original Color

45.9006, 53.7146, 66.9802

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.3871, 51.9162, 59.7478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9006, 53.7146, 66.9802 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, 202, 207)` looks like.

```
.text, #text, p{  
    color:rgb(155, 202, 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(155, 202, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 202, 207) }
```

Border

The CSS property to change the border of an element to XYZ 45.9006, 53.7146, 66.9802 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, 202, 207) }
```


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

```
.border{ border-color:rgb(155, 202, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 202, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 202, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 202, 207);  
box-shadow:4px 4px 4px 4px rgb(155, 202,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9006, 53.7146, 66.9802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 202, 207) }
```

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

```
.background{ background-color: rgb(155,  
202, 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