

Converting Colors

XYZ(39.1647, 45.5208, 53.3056)

Have a look what the booklet for
XYZ(39.1647, 45.5208, 53.3056)
contains.

XYZ(39.2109, 45.5698, 53.1836)	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(39.2109, 45.5698,
53.1836)**

Conversions

Conversions Part 1

Format	Color
Hex	96BBBA
RGB	150, 187, 186
RGB Percent	59%, 73%, 73%
CMY	0.4118, 0.2667, 0.2706
CMYK	0.20, 0.00, 0.01, 0.27
HSL	178°, 21%, 66%
HSV	178°, 20%, 73%
XYZ	39.2109, 45.5698, 53.1836
YIQ	175.8230, -21.7310, -8.1550

Conversions

Conversions Part 2

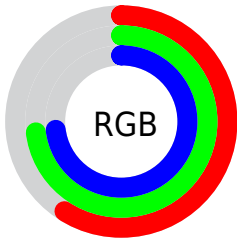
Format	Color
RYB	150, 169, 187
Decimal	9878458
CIELab	73.27, -12.55, -3.60
CIElCh	73, 13.058, 196.013
Yxy	45.5698, 0.2842, 0.3303
Android (android.graphics.Color)	4288068538 (0xFF96BBBA)
YUV	175.8230, 5.0173, -22.6468
Hunter-Lab	67.5054, -14.4517, 0.5426

Details

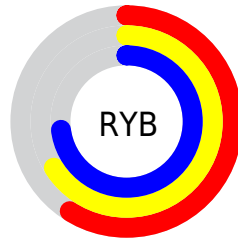
The XYZ color **39.2109, 45.5698, 53.1836** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.9874, 34.6131, 34.0116**, and the grayscale version is **41.1585, 43.3019, 47.1558**.

A 20% lighter version of the original color is **73.2544, 83.4911, 96.2589**, and **17.7957, 21.3403, 25.3715** is the 20% darker color. If you saturate the color by 10%, you get **35.9873, 43.9154, 52.7530**, and if you desaturate by 10%, it is **42.9865, 47.5112, 53.6429**.

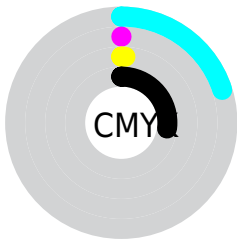
Distribution



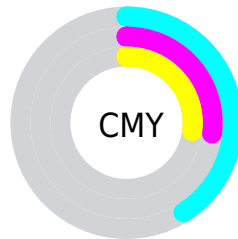
- Red (59%)
- Green (73%)
- Blue (73%)



- Red (59%)
- Yellow (66%)
- Blue (73%)



- Cyan (20%)
- Magenta (0%)
- Yellow (1%)
- Black (27%)



- Cyan (41%)
- Magenta (27%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.2109, 45.5698, 53.1836 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 39.2109, 45.5698, 53.1836 by changing the saturation by 10% instead.

■ 39.2109, 45.5698,
53.1836

■ 39.2109, 45.5698,
53.1836

333.9781,
369.0764, 416.0754

■ 27.1053, 31.9065,
37.5606

■ 73.2524, 83.5748,
96.3188

■ 17.7893, 21.2901,
25.3427

■ 95.9190, 108.6853,
124.6680

■ 10.8976, 13.3362,
16.1112

122.8367,
138.3802, 158.0965

■ 6.0648, 7.6605,
9.4477

154.3707,
173.0441, 197.0227

■ 2.9256, 3.8785,
4.9335

190.8865,
213.0612, 241.8651

■ 1.1145, 1.6058,
2.1503

232.7495,

■ 0.0372, 0.3615,

258.8161, 293.0423

0.6454

280.3248,
310.6930, 350.9729

■ 0.0000, 0.0000,
0.0000

■ 39.2109, 45.5698,
53.1836

■ 39.2109, 45.5698,
53.1836

■ 35.9873, 43.9154,
52.7530

■ 42.9865, 47.5112,
53.6429

■ 33.2857, 42.5288,
52.3469

■ 47.3345, 49.7464,
54.1291

■ 31.0794, 41.3976,
51.9650

■ 52.2789, 52.2890,
54.6441

■ 29.3376, 40.5058,
51.6058

■ 57.8413, 55.1502,
55.1891

■ 28.0262, 39.8359,
51.2677

■ 64.0422, 58.3406,
55.7650

■ 27.1063, 39.3678,
50.9490

■ 68.2009, 60.4781,
56.2463

■ 26.5322, 39.0779,
50.6474

■ 68.2560, 60.5002,
56.5365

■ 26.2143, 38.9201,
50.3588

■ 68.3113, 60.5223,
56.8278

■ 26.2082, 38.9171,
50.3527

■ 68.3668, 60.5445,
57.1201

Harmonies

Analogous

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



39.1732, 45.5698, 46.6274



39.2109, 45.5698, 53.1836



40.3218, 45.5698, 59.2702

Triad

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



39.2109, 45.5698, 53.1836



46.5636, 45.5698, 58.9156



44.3874, 45.5698, 38.3444

Complementary

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



39.2109, 45.5698, 53.1836



36.9874, 34.6131, 34.0116

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.



46.4480, 45.5698, 41.0747



39.2109, 45.5698, 53.1836



47.7341, 45.5698, 52.7333

Square

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



39.2109, 45.5698, 53.1836



44.5405, 45.5698, 62.7736



47.6911, 45.5698, 46.2150



42.1077, 45.5698, 38.4418

Rectangle

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



39.2109, 45.5698, 53.1836



41.5446, 45.5698, 62.0735



47.6911, 45.5698, 46.2150



45.1303, 45.5698, 38.9508

Sweetspot

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



39.2122, 45.5717, 53.1846



79.7366, 86.5028, 96.3854



36.0825, 44.3462, 35.5129



17.4496, 18.9930, 21.2133



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



39.2122, 45.5717, 53.1846



67.4488, 80.1886, 94.8878



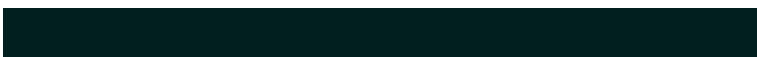
35.8734, 38.7229, 52.5993



9.7971, 10.8050, 12.1811



18.0614, 26.8149, 34.7159



0.7110, 1.0518, 1.3786

Inverse Universe

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



36.9874, 34.6131, 34.0116



62.6966, 56.7800, 53.9342



39.8677, 40.5036, 34.5717



9.5404, 9.5404, 9.9686



14.1437, 7.2886, 0.7844



0.5576, 0.2870, 0.0498

Previews

White Background



This preview shows how the XYZ color 39.2109, 45.5698, 53.1836 looks on a white background.

Color Contrast Check

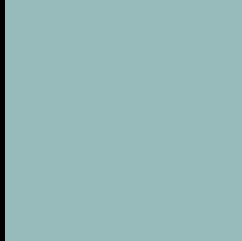
Large Text (above 18pt) WCAG AA × Fail

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 39.2109, 45.5698, 53.1836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

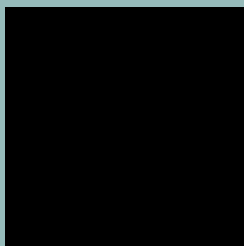
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

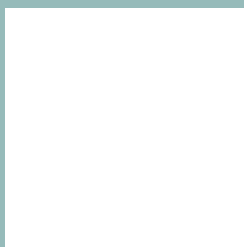
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.2109, 45.5698, 53.1836

Background



This preview shows how black text looks on a background with the XYZ color 39.2109, 45.5698, 53.1836.

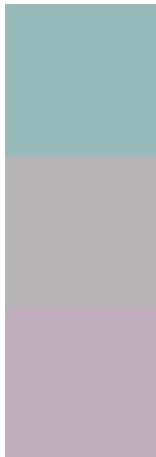


This preview shows how white text looks on a background with the XYZ color 39.2109, 45.5698,

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

39.2109, 45.5698, 53.1836

Protanopia

43.7520, 45.5215, 50.1966

Deuteranopia

46.3137, 45.2837, 54.4437



Tritanopia

40.9112, 45.6404, 61.2968

Trichromacy



Original Color

39.2109, 45.5698, 53.1836

Protanomaly

41.8528, 45.4208, 51.3610

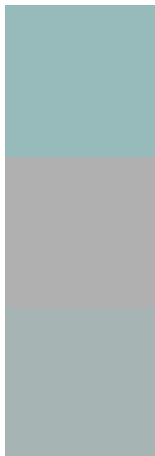
Deuteranomaly

43.3287, 45.2182, 54.0213

Tritanomaly

40.3581, 45.7333, 58.3301

Monochromacy



Original Color

39.2109, 45.5698, 53.1836

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

40.4958, 44.1533, 49.5681

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.2109, 45.5698, 53.1836 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(150, 187, 186)` looks like.

```
.text, #text, p{  
    color:rgb(150, 187, 186)  
}
```

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(150, 187, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 187, 186) }
```

Border

The CSS property to change the border of an element to XYZ 39.2109, 45.5698, 53.1836 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(150, 187, 186) }
```


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

```
.border{ border-color:rgb(150, 187, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 187, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 187, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 187, 186);  
box-shadow:4px 4px 4px 4px rgb(150, 187,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 39.2109, 45.5698, 53.1836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 187, 186) }
```

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

```
.background{ background-color: rgb(150,  
187, 186) }
```

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