

Converting Colors

XYZ(33.3394, 45.0562, 56.7459)

Have a look what the booklet for
XYZ(33.3394, 45.0562, 56.7459)
contains.

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Color

**XYZ(33.3439, 45.0601,
56.8092)**

Conversions

Conversions Part 1

Format	Color
Hex	5BC3C0
RGB	91, 195, 192
RGB Percent	36%, 76%, 75%
CMY	0.6431, 0.2353, 0.2471
CMYK	0.53, 0.00, 0.02, 0.24
HSL	178°, 46%, 56%
HSV	178°, 53%, 76%
XYZ	33.3439, 45.0601, 56.8092
YIQ	163.5620, -61.0210, -22.9810

Conversions

Conversions Part 2

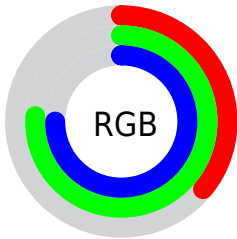
Format	Color
R _Y B	91, 144, 195
Decimal	6013888
CIE Lab	72.93, -30.69, -7.68
CIE LCh	73, 31.633, 194.048
Yxy	45.0601, 0.2466, 0.3333
Android (android.graphics.Color)	4284203968 (0xFF5BC3C0)
YUV	163.5620, 14.0199, -63.6369
Hunter-Lab	67.1268, -28.8056, -3.1882

Details

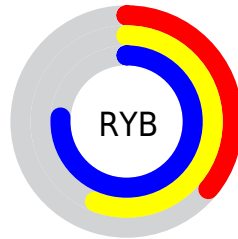
The XYZ color **33.3439, 45.0601, 56.8092** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **28.2687, 19.8938, 12.9412**, and the grayscale version is **35.0362, 36.8608, 40.1414**.

A 20% lighter version of the original color is **64.1481, 82.7877, 101.4056**, and **14.4345, 21.0424, 27.7269** is the 20% darker color. If you saturate the color by 10%, you get **31.6038, 44.1713, 56.4038**, and if you desaturate by 10%, it is **35.5863, 46.2099, 57.2414**.

Distribution



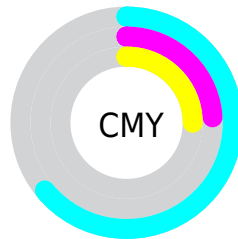
- Red (36%)
- Green (76%)
- Blue (75%)



- Red (36%)
- Yellow (56%)
- Blue (76%)



- Cyan (53%)
- Magenta (0%)
- Yellow (2%)
- Black (24%)





- Cyan (64%)
- Magenta (24%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3439, 45.0601, 56.8092 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 33.3439, 45.0601, 56.8092 by changing the saturation by 10% instead.


 33.3439, 45.0601,
56.8092


 33.3439, 45.0601,
56.8092


308.8342,
367.0169, 430.2077


 22.5505, 31.5048,
40.4437


 64.2632, 82.8106,
101.6843


 14.3808, 20.9835,
27.5683

 85.1198, 107.7745,
131.0310

 8.4695, 13.1120,
17.7643


 110.0615,
137.3101, 165.5419

 4.4511, 7.5057,
10.6132

 139.4536,
171.8018, 205.6355

 1.9604, 3.7803,
5.6965

173.6616,
211.6339, 251.7303

 0.6116, 1.5514,
2.5956

213.0508,

 0.0000, 0.3245,

257.1909, 304.2449

0.8902

257.9866,
308.8571, 363.5979

■ 0.0000, 0.0000,
0.0000

■ 33.3439, 45.0601,
56.8092

■ 33.3439, 45.0601,
56.8092

■ 31.6038, 44.1713,
56.4038

■ 35.5863, 46.2099,
57.2414

■ 30.3225, 43.5179,
56.0201

■ 38.3624, 47.6338,
57.6987

■ 29.4557, 43.0782,
55.6571

■ 41.7055, 49.3500,
58.1839

■ 28.9488, 42.8240,
55.3121

■ 45.6453, 51.3737,
58.6982

■ 28.7418, 42.7220,
55.0889

■ 50.2093, 53.7192,
59.2431

■ 55.4233, 56.3998,
59.8195

■ 61.3116, 59.4279,
60.4288

■ 67.8975, 62.8156,
61.0720

■ 70.8415, 64.3259,
61.5460

Harmonies

Analogous

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



33.4211, 45.0601, 41.1817



33.3439, 45.0601, 56.8092



35.6505, 45.0601, 73.3484

Triad

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



33.3439, 45.0601, 56.8092



50.6312, 45.0601, 74.2849



45.8088, 45.0601, 25.2746

Complementary

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



33.3439, 45.0601, 56.8092



28.2687, 19.8938, 12.9412

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.



50.9101, 45.0601, 30.8338



33.3439, 45.0601, 56.8092



53.8532, 45.0601, 57.8903

Square

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



33.3439, 45.0601, 56.8092



45.4540, 45.0601, 84.8096



53.9595, 45.0601, 42.0547



40.3057, 45.0601, 25.1072

Rectangle

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



33.3439, 45.0601, 56.8092



38.3538, 45.0601, 81.7451



53.9595, 45.0601, 42.0547



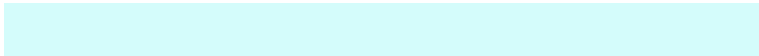
47.6378, 45.0601, 26.5105

Sweetspot

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



33.3452, 45.0618, 56.8103



79.5774, 90.8924, 104.8516



26.0689, 42.1917, 16.6685



17.0970, 19.7352, 22.9188



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.



33.3452, 45.0618, 56.8103



56.1648, 78.8860, 100.8997



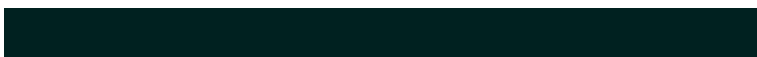
24.5171, 26.8678, 55.5254



10.3556, 11.4233, 12.8758



18.6856, 27.7683, 35.8332



0.8114, 1.2014, 1.5694

Inverse Universe

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



28.2687, 19.8938, 12.9412



46.1295, 29.0778, 14.1382



33.7056, 30.9792, 14.1017



10.0847, 10.0825, 10.5367



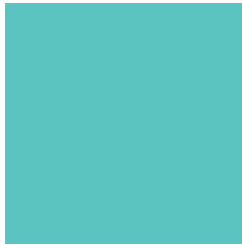
14.6529, 7.5509, 0.8183



0.6373, 0.3279, 0.0572

Previews

White Background



This preview shows how the XYZ color 33.3439, 45.0601, 56.8092 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 33.3439, 45.0601, 56.8092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

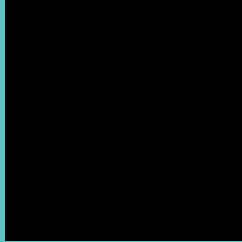
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.3439, 45.0601, 56.8092

Background



This preview shows how black text looks on a background with the XYZ color 33.3439, 45.0601, 56.8092.

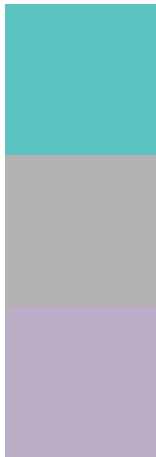


This preview shows how white text looks on a background with the XYZ color 33.3439, 45.0601,

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

33.3439, 45.0601, 56.8092

Protanopia

42.8850, 44.4838, 50.0420

Deuteranopia

45.2713, 44.3575, 58.9991



Tritanopia

35.3849, 45.2354, 66.5408

Trichromacy



Original Color

33.3439, 45.0601, 56.8092

Protanomaly

38.1102, 44.0797, 52.3985

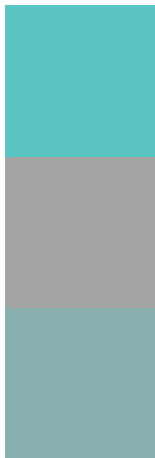
Deuteranomaly

39.1367, 43.5672, 57.9763

Tritanomaly

34.6718, 45.2807, 62.7898

Monochromacy



Original Color

33.3439, 45.0601, 56.8092

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

33.2865, 39.0343, 45.8244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3439, 45.0601, 56.8092 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(91, 195, 192)` looks like.

```
.text, #text, p{  
    color:rgb(91, 195, 192)  
}
```

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(91, 195, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 195, 192) }
```

Border

The CSS property to change the border of an element to XYZ 33.3439, 45.0601, 56.8092 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(91, 195, 192) }
```


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

```
.border{ border-color:rgb(91, 195, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 195, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 195, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 195, 192);  
box-shadow:4px 4px 4px 4px rgb(91, 195,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3439, 45.0601, 56.8092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 195, 192) }
```

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

```
.background{ background-color: rgb(91, 195,  
192) }
```

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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