

Converting Colors

XYZ(38.8888, 45.6573, 56.0533)

Have a look what the booklet for
XYZ(38.8888, 45.6573, 56.0533)
contains.

XYZ(38.8888, 45.6573, 56.0533)	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(38.8888, 45.6573,
56.0533)**

Conversions

Conversions Part 1

Format	Color
Hex	90BCBF
RGB	144, 188, 191
RGB Percent	56%, 74%, 75%
CMY	0.4353, 0.2627, 0.2510
CMYK	0.25, 0.02, 0.00, 0.25
HSL	184°, 27%, 66%
HSV	184°, 25%, 75%
XYZ	38.8888, 45.6573, 56.0533
YIQ	175.1860, -27.1870, -8.3950

Conversions

Conversions Part 2

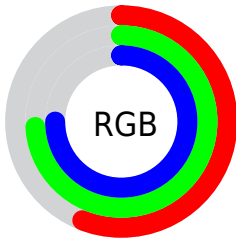
Format	Color
R_{YB}	144, 167, 191
Decimal	9485503
CIE _{Lab}	73.32, -13.82, -6.29
CIE _{LCh}	73, 15.182, 204.463
Yxy	45.6573, 0.2766, 0.3247
Android (android.graphics.Color)	4287675583 (0xFF90BCBF)
YUV	175.1860, 7.7963, -27.3501
Hunter-Lab	67.5702, -15.5154, -1.8853

Details

The XYZ color **38.8888, 45.6573, 56.0533** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.9542, 33.9577, 30.9933**, and the grayscale version is **40.8159, 42.9415, 46.7633**.

A 20% lighter version of the original color is **72.6924, 83.5589, 100.2929**, and **17.6651, 21.4382, 27.2517** is the 20% darker color. If you saturate the color by 10%, you get **35.5721, 43.5639, 55.8248**, and if you desaturate by 10%, it is **42.7747, 48.0497, 56.3110**.

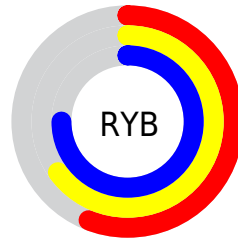
Distribution



Red (56%)

Green (74%)

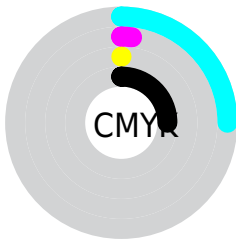
Blue (75%)



Red (56%)

Yellow (65%)

Blue (75%)

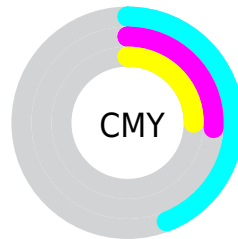


Cyan (25%)

Magenta (2%)

Yellow (0%)

Black (25%)



Cyan (44%)

Magenta (26%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8888, 45.6573, 56.0533 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 38.8888, 45.6573, 56.0533 by changing the saturation by 10% instead.

■ 38.8888, 45.6573,
56.0533

■ 38.8888, 45.6573,
56.0533

332.6328,
369.4292, 427.2863

■ 26.8536, 31.9755,
39.8414

■ 72.7636, 83.7059,
100.5691

■ 17.5993, 21.3428,
27.1020

■ 95.3338, 108.8414,
129.7100

■ 10.7606, 13.3748,
17.4168

122.1464,
138.5637, 163.9977

■ 5.9722, 7.6871,
10.3670

153.5668,
173.2570, 203.8507

■ 2.8687, 3.8954,
5.5342

189.9603,
213.3058, 249.6875

■ 1.0847, 1.6152,
2.4998

231.6922,

■ 0.0123, 0.3678,

259.0945, 301.9267

0.8400

279.1279,
311.0075, 360.9867

■ 0.0000, 0.0000,
0.0000

■ 38.8888, 45.6573,
56.0533

■ 38.8888, 45.6573,
56.0533

■ 35.5721, 43.5639,
55.8248

■ 42.7747, 48.0497,
56.3110

■ 32.7923, 41.7494,
55.6211

■ 47.2524, 50.7493,
56.5961

■ 30.5199, 40.1997,
55.4417

■ 52.3477, 53.7706,
56.9107

■ 28.7208, 38.8972,
55.2851

■ 58.0841, 57.1256,
57.2560

■ 27.3569, 37.8223,
55.1496

■ 64.4837, 60.8259,
57.6329

■ 26.3840, 36.9523,
55.0329

■ 70.2294, 64.1923,
57.9798

■ 25.7487, 36.2594,
54.9326

■ 70.5041, 64.7416,
58.0714

■ 25.4879, 35.9293,
54.8827

■ 70.7810, 65.2954,
58.1637

■ 71.0601, 65.8537,
58.2567

Harmonies

Analogous

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



38.4841, 45.6573, 48.3079



38.8888, 45.6573, 56.0533



40.4799, 45.6573, 62.6624

Triad

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



38.8888, 45.6573, 56.0533



47.7088, 45.6573, 58.7575



43.8931, 45.6573, 36.4682

Complementary

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



38.8888, 45.6573, 56.0533



36.9542, 33.9577, 30.9933

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.



46.4486, 45.6573, 38.6832



38.8888, 45.6573, 56.0533



48.7088, 45.6573, 51.1452

Square

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



38.8888, 45.6573, 56.0533



45.5567, 45.6573, 64.3324



48.2384, 45.6573, 43.8699



41.3045, 45.6573, 37.4954

Rectangle

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



38.8888, 45.6573, 56.0533



42.0353, 45.6573, 65.2662



48.2384, 45.6573, 43.8699



44.7856, 45.6573, 36.8507

Sweetspot

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



38.8901, 45.6592, 56.0543



82.5176, 89.6270, 101.2297



35.3489, 45.2780, 34.2145



18.0095, 19.6149, 22.2221



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



38.8901, 45.6592, 56.0543



66.0444, 79.5100, 100.1452



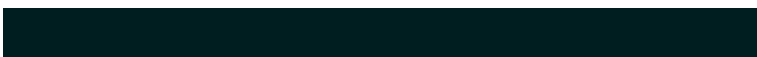
34.3887, 36.6563, 54.5539



9.7551, 10.7025, 12.2238



16.7726, 23.6569, 36.0751



0.6729, 0.9584, 1.4184

Inverse Universe

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



40.5373, 34.6548, 52.1315



69.5726, 56.2286, 91.6775



40.8674, 41.7842, 32.2977



9.9030, 9.6855, 11.8781



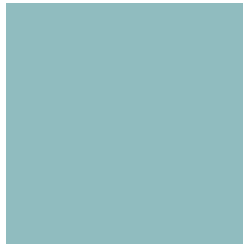
19.4668, 9.4179, 28.8155



0.7705, 0.3721, 1.1709

Previews

White Background



This preview shows how the XYZ color 38.8888, 45.6573, 56.0533 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 38.8888, 45.6573, 56.0533 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

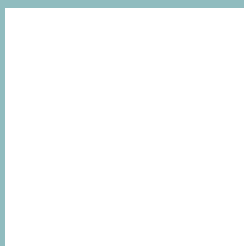
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.8888, 45.6573, 56.0533

Background



This preview shows how black text looks on a background with the XYZ color 38.8888, 45.6573, 56.0533.



This preview shows how white text looks on a background with the XYZ color 38.8888, 45.6573,

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

38.8888, 45.6573, 56.0533

Protanopia

43.9331, 45.5667, 52.3787

Deuteranopia

46.1089, 45.1143, 57.3167



Tritanopia

39.9556, 45.4458, 61.9244

Trichromacy



Original Color

38.8888, 45.6573, 56.0533

Protanomaly

41.8460, 45.3686, 53.5652

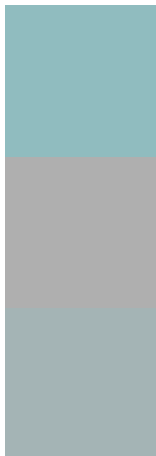
Deuteranomaly

42.9793, 44.9747, 56.8678

Tritanomaly

39.5254, 45.5916, 59.5402

Monochromacy



Original Color

38.8888, 45.6573, 56.0533

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.9716, 43.8712, 50.0773

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8888, 45.6573, 56.0533 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(144, 188, 191)` looks like.

```
.text, #text, p{  
    color:rgb(144, 188, 191)  
}
```

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(144, 188, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 188, 191) }
```

Border

The CSS property to change the border of an element to XYZ 38.8888, 45.6573, 56.0533 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(144, 188, 191) }
```


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

```
.border{ border-color:rgb(144, 188, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 188, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 188, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 188, 191);  
box-shadow:4px 4px 4px 4px rgb(144, 188,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8888, 45.6573, 56.0533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 188, 191) }
```

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

```
.background{ background-color: rgb(144,  
188, 191) }
```

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