

Converting Colors

XYZ(30.7287, 38.8097, 56.3241)

Have a look what the booklet for
XYZ(30.7287, 38.8097, 56.3241)
contains.

XYZ(30.8767, 39.0342, 56.3591)	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(30.8767, 39.0342,
56.3591)**

Conversions

Conversions Part 1

Format	Color
Hex	61B4C1
RGB	97, 180, 193
RGB Percent	38%, 71%, 76%
CMY	0.6196, 0.2941, 0.2431
CMYK	0.50, 0.07, 0.00, 0.24
HSL	188°, 44%, 57%
HSV	188°, 50%, 76%
XYZ	30.8767, 39.0342, 56.3591
YIQ	156.6650, -53.6410, -13.5530

Conversions

Conversions Part 2

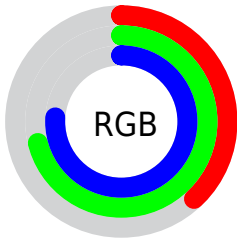
Format	Color
RYB	97, 142, 193
Decimal	6403265
CIELab	68.78, -21.70, -14.42
CIElCh	69, 26.050, 213.602
Yxy	39.0342, 0.2445, 0.3091
Android (android.graphics.Color)	4284593345 (0xFF61B4C1)
YUV	156.6650, 17.9132, -52.3262
Hunter-Lab	62.4774, -21.1196, -9.7497

Details

The XYZ color **30.8767, 39.0342, 56.3591** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.7268, 23.3532, 14.2512**, and the grayscale version is **31.8379, 33.4960, 36.4771**.

A 20% lighter version of the original color is **60.4208, 73.7005, 100.6636**, and **12.9427, 17.4001, 27.1025** is the 20% darker color. If you saturate the color by 10%, you get **28.5427, 37.0560, 56.1010**, and if you desaturate by 10%, it is **33.7233, 41.2931, 56.6458**.

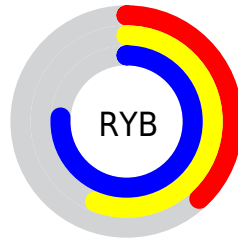
Distribution



Red (38%)

Green (71%)

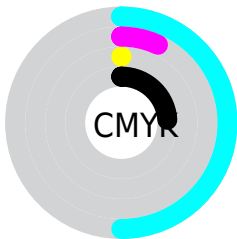
Blue (76%)



Red (38%)

Yellow (56%)

Blue (76%)

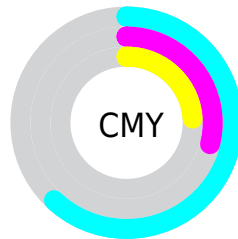


Cyan (50%)

Magenta (7%)

Yellow (0%)

Black (24%)



Cyan (62%)

Magenta (29%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8767, 39.0342, 56.3591 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 30.8767, 39.0342, 56.3591 by changing the saturation by 10% instead.

■ 30.8767, 39.0342,
56.3591

■ 30.8767, 39.0342,
56.3591

297.8069,
342.0359, 428.4697

■ 20.6563, 26.7863,
40.0850

■ 60.4231, 73.6906,
101.0205

■ 12.9841, 17.4128,
27.2905

■ 80.4798, 96.8678,
130.2448

■ 7.4945, 10.5293,
17.5572

■ 104.5460,
124.4571, 164.6229

■ 3.8223, 5.7513,
10.4664

■ 132.9870,
156.8426, 204.5734

■ 1.6021, 2.6944,
5.5996

166.1683,
194.4089, 250.5148

■ 0.3938, 0.9744,
2.5384

204.4551,

■ 0.0000, 0.0000,

237.5402, 302.8656

0.8604

248.2129,
286.6211, 362.0444

■ 0.0000, 0.0000,
0.0000

■ 30.8767, 39.0342,
56.3591

■ 30.8767, 39.0342,
56.3591

■ 28.5427, 37.0560,
56.1010

■ 33.7233, 41.2931,
56.6458

■ 26.6808, 35.3350,
55.8669

■ 37.1121, 43.8456,
56.9599

■ 25.2500, 33.8509,
55.6559

■ 41.0748, 46.7088,
57.3037

■ 24.2008, 32.5780,
55.4655

■ 45.6395, 49.8974,
57.6785

■ 23.4392, 31.4678,
55.2913

■ 50.8324, 53.4249,
58.0857

■ 23.4204, 31.4395,
55.2869

■ 56.6784, 57.3042,
58.5264

■ 63.2006, 61.5474,
59.0016

■ 70.4212, 66.1660,
59.5125

■ 72.3454, 68.0695,
59.7785

Harmonies

Analogous

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



29.7319, 39.0342, 43.9455



30.8767, 39.0342, 56.3591



33.6837, 39.0342, 66.2789

Triad

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



30.8767, 39.0342, 56.3591



44.6717, 39.0342, 53.4265



36.6045, 39.0342, 23.6170

Complementary

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



30.8767, 39.0342, 56.3591



29.7268, 23.3532, 14.2512

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.



40.7416, 39.0342, 25.2233



30.8767, 39.0342, 56.3591



45.5966, 39.0342, 41.0897

Square

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



30.8767, 39.0342, 56.3591



41.6676, 39.0342, 64.3772



44.1098, 39.0342, 31.1250



32.8805, 39.0342, 26.2451

Rectangle

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



30.8767, 39.0342, 56.3591



36.2237, 39.0342, 69.3203



44.1098, 39.0342, 31.1250



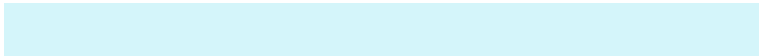
37.9920, 39.0342, 23.6824

Sweetspot

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



30.8779, 39.0357, 56.3600



77.1101, 86.1533, 102.9254



26.8043, 41.8037, 21.3522



16.1780, 18.2267, 22.0507



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.



30.8779, 39.0357, 56.3600



50.6757, 65.9729, 100.4234



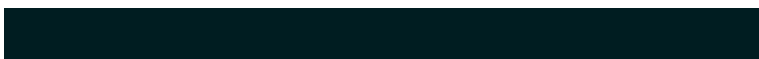
22.8349, 22.9497, 53.6790



10.2485, 11.1883, 12.9042



15.6200, 20.9965, 36.7861



0.7077, 0.9729, 1.6004

Inverse Universe

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



34.5063, 23.1833, 45.8378



58.1683, 35.1028, 78.2768



36.3437, 36.5872, 16.4569



10.4367, 10.2233, 12.3903



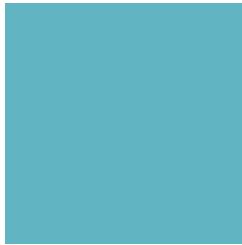
19.2802, 9.4018, 25.1854



0.8496, 0.4129, 1.1755

Previews

White Background



This preview shows how the XYZ color 30.8767, 39.0342, 56.3591 looks on a white background.

Color Contrast Check

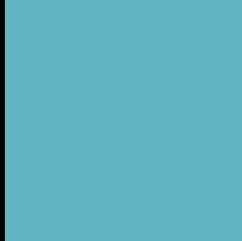
Large Text (above 18pt) WCAG AA × Fail

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 30.8767, 39.0342, 56.3591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

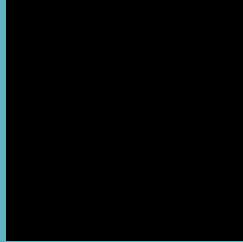
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.8767, 39.0342, 56.3591

Background



This preview shows how black text looks on a background with the XYZ color 30.8767, 39.0342, 56.3591.



This preview shows how white text looks on a background with the XYZ color 30.8767, 39.0342,

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

30.8767, 39.0342, 56.3591

Protanopia

37.8050, 38.7325, 50.8310

Deuteranopia

39.5374, 38.6606, 58.2017



Tritanopia

30.9886, 39.0789, 56.9487

Trichromacy



Original Color

30.8767, 39.0342, 56.3591

Protanomaly

34.3478, 38.2891, 52.5939

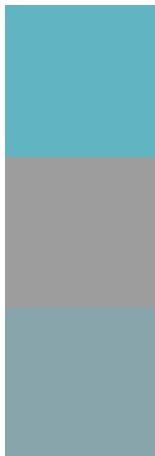
Deuteranomaly

35.4795, 38.2011, 57.7281

Tritanomaly

30.9886, 39.0789, 56.9487

Monochromacy



Original Color

30.8767, 39.0342, 56.3591

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

30.7025, 34.9634, 43.1606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8767, 39.0342, 56.3591 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(97, 180, 193)` looks like.

```
.text, #text, p{  
    color:rgb(97, 180, 193)  
}
```

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(97, 180, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 180, 193) }
```

Border

The CSS property to change the border of an element to XYZ 30.8767, 39.0342, 56.3591 is called "border". The border property can be set on classes, ids or directly on the HTML element.

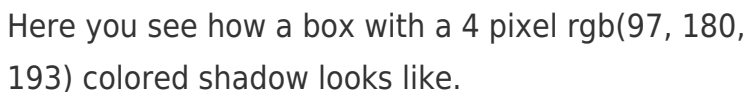
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(97, 180, 193) }
```


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

```
.border{ border-color:rgb(97, 180, 193) }
```

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



Here you see how a box with a 4 pixel `rgb(97, 180, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(97, 180, 193); -webkit-box-shadow:4px 4px 4px 4px rgb(97, 180, 193); box-shadow:4px 4px 4px 4px rgb(97, 180, 193) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8767, 39.0342, 56.3591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 180, 193) }
```

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

```
.background{ background-color: rgb(97, 180,  
193) }
```

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