

Converting Colors

XYZ(30.1275, 39.1087, 65.4738)

Have a look what the booklet for
XYZ(30.1275, 39.1087, 65.4738)
contains.

XYZ(30.0997, 39.0341, 65.6224)	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(30.0997, 39.0341,
65.6224)**

Conversions

Conversions Part 1

Format	Color
Hex	3EB6D0
RGB	62, 182, 208
RGB Percent	24%, 71%, 82%
CMY	0.7568, 0.2863, 0.1843
CMYK	0.70, 0.12, 0.00, 0.18
HSL	191°, 61%, 53%
HSV	191°, 70%, 82%
XYZ	30.0997, 39.0341, 65.6224
YIQ	149.0840, -79.8660, -17.3540

Conversions

Conversions Part 2

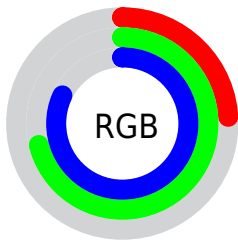
Format	Color
R _Y B	62, 128, 208
Decimal	4110032
CIE Lab	68.78, -24.60, -22.77
CIE LCh	69, 33.526, 222.786
Yxy	39.0341, 0.2234, 0.2897
Android (android.graphics.Color)	4282300112 (0xFF3EB6D0)
YUV	149.0840, 29.0456, -76.3727
Hunter-Lab	62.4773, -23.3392, -18.5406

Details

The XYZ color **30.0997, 39.0341, 65.6224** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **30.3728, 20.7386, 6.9608**, and the grayscale version is **28.5097, 29.9944, 32.6639**.

A 20% lighter version of the original color is **57.5266, 72.9583, 105.6581**, and **13.6830, 18.0336, 33.3315** is the 20% darker color. If you saturate the color by 10%, you get **28.2880, 36.9896, 65.3240**, and if you desaturate by 10%, it is **32.4329, 41.3788, 65.9527**.

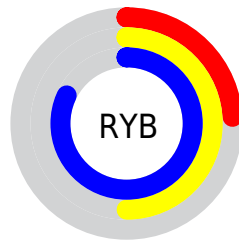
Distribution



Red (24%)

Green (71%)

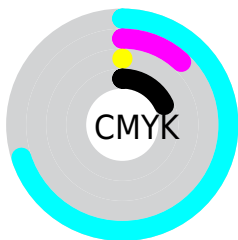
Blue (82%)



Red (24%)

Yellow (50%)

Blue (82%)

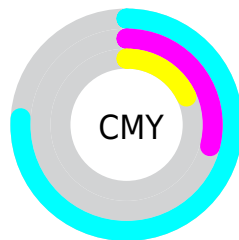


Cyan (70%)

Magenta (12%)

Yellow (0%)

Black (18%)



Cyan (76%)

Magenta (29%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0997, 39.0341, 65.6224 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 30.0997, 39.0341, 65.6224 by changing the saturation by 10% instead.

■ 30.0997, 39.0341,
65.6224

■ 30.0997, 39.0341,
65.6224

294.2704,
342.0354, 463.3925

■ 20.0627, 26.7863,
47.5114

■ 59.2054, 73.6904,
114.5660

■ 12.5492, 17.4128,
33.0829

■ 79.0048, 96.8677,
146.2357

■ 7.1937, 10.5292,
21.9183

■ 102.7890,
124.4568, 183.2621

■ 3.6309, 5.7512,
13.5991

■ 130.9234,
156.8423, 226.0636

■ 1.4955, 2.6944,
7.7068

■ 163.7734,
194.4086, 275.0589

■ 0.3228, 0.9744,
3.8229

201.7044,

■ 0.0000, 0.0000,

237.5399, 330.6665

1.5287

245.0816,
286.6207, 393.3048

■ 0.0000, 0.0000,
0.2392

■ 0.0000, 0.0000,
0.0000

■ 30.0997, 39.0341,
65.6224

■ 30.0997, 39.0341,
65.6224

■ 28.2880, 36.9896,
65.3240

■ 32.4329, 41.3788,
65.9527

■ 26.9333, 35.2095,
65.0518

■ 35.3351, 44.0461,
66.3146

■ 25.9407, 33.6648,
64.8060

■ 38.8522, 47.0605,
66.7111

■ 43.0245, 50.4433,
67.1441

■ 47.8888, 54.2135,
67.6155

■ 53.4792, 58.3888,
68.1267

■ 59.8273, 62.9858,
68.6795

■ 66.9629, 68.0202,
69.2751

■ 74.9141, 73.5065,
69.9150

Harmonies

Analogous

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



28.0067, 39.0341, 49.3077



30.0997, 39.0341, 65.6224



34.1599, 39.0341, 77.0043

Triad

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



30.0997, 39.0341, 65.6224



47.7348, 39.0341, 51.7574



34.8864, 39.0341, 19.8850

Complementary

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



30.0997, 39.0341, 65.6224



30.3728, 20.7386, 6.9608

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.



40.2056, 39.0341, 20.2396



30.0997, 39.0341, 65.6224



47.9768, 39.0341, 36.3523

Square

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



30.0997, 39.0341, 65.6224



44.4783, 39.0341, 67.7804



45.1110, 39.0341, 25.5706



30.5877, 39.0341, 24.4485

Rectangle

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



30.0997, 39.0341, 65.6224



37.5992, 39.0341, 78.9155



45.1110, 39.0341, 25.5706



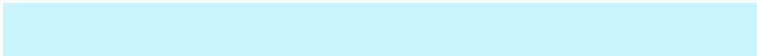
36.6067, 39.0341, 19.4717

Sweetspot

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



30.1010, 39.0355, 65.6233



75.0514, 85.2857, 107.1139



26.2368, 46.8141, 16.5295



15.5858, 17.8877, 22.8812



0.0000, 0.0000, 0.0000



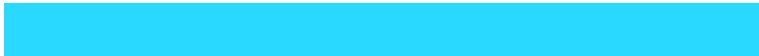
20.3446, 21.4041, 23.3091

Same Dimension

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



30.1010, 39.0355, 65.6233



43.7320, 57.2383, 103.3509



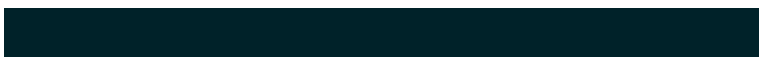
19.0213, 16.8762, 61.9301



11.9719, 13.0340, 15.1285



16.2316, 21.1098, 40.4116



0.9556, 1.2763, 2.2756

Inverse Universe

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



36.1796, 20.2338, 46.2560



54.5316, 27.8343, 68.0452



39.3387, 38.6703, 9.9495



12.2167, 11.9714, 14.4169



20.8237, 10.2023, 25.0415



1.1886, 0.5801, 1.5277

Previews

White Background



This preview shows how the XYZ color 30.0997, 39.0341, 65.6224 looks on a white background.

Color Contrast Check

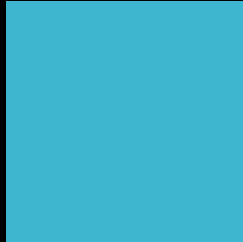
Large Text (above 18pt) WCAG AA × Fail

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 30.0997, 39.0341, 65.6224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

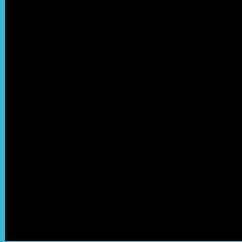
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.0997, 39.0341, 65.6224

Background



This preview shows how black text looks on a background with the XYZ color 30.0997, 39.0341, 65.6224.



This preview shows how white text looks on a background with the XYZ color 30.0997, 39.0341,

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

30.0997, 39.0341, 65.6224

Protanopia

37.9161, 38.3694, 57.6322

Deuteranopia

39.4572, 38.6753, 67.6728



Tritanopia

28.9644, 39.1989, 59.4656

Trichromacy



Original Color

30.0997, 39.0341, 65.6224



Protanomaly

33.3004, 37.5810, 60.1423



Deuteranomaly

34.6330, 38.1141, 67.1594



Tritanomaly

29.3391, 39.0308, 61.8645

Monochromacy



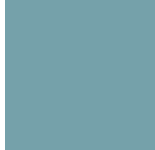
Original Color

30.0997, 39.0341, 65.6224



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

27.3367, 32.1739, 42.7996

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0997, 39.0341, 65.6224 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(62, 182, 208)` looks like.

```
.text, #text, p{  
    color:rgb(62, 182, 208)  
}
```

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(62, 182, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 182, 208) }
```

Border

The CSS property to change the border of an element to XYZ 30.0997, 39.0341, 65.6224 is called "border". The border property can be set on classes, ids or directly on the HTML element.

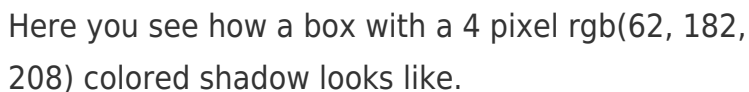
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(62, 182, 208) }
```


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

```
.border{ border-color:rgb(62, 182, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(62, 182, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(62, 182, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(62, 182, 208); box-shadow:4px 4px 4px 4px rgb(62, 182, 208) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0997, 39.0341, 65.6224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 182, 208) }
```

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

```
.background{ background-color: rgb(62, 182,  
208) }
```

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