

Converting Colors

XYZ(30.8135, 38.4711, 66.7744)

Have a look what the booklet for
XYZ(30.8135, 38.4711, 66.7744)
contains.

XYZ(30.8135, 38.4711, 66.7744)	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(30.8135, 38.4711,
66.7744)**

Conversions

Conversions Part 1

Format	Color
Hex	4DB3D2
RGB	77, 179, 210
RGB Percent	30%, 70%, 82%
CMY	0.6980, 0.2980, 0.1765
CMYK	0.63, 0.15, 0.00, 0.18
HSL	194°, 60%, 56%
HSV	194°, 63%, 82%
XYZ	30.8135, 38.4711, 66.7744
YIQ	152.0360, -70.7430, -11.9830

Conversions

Conversions Part 2

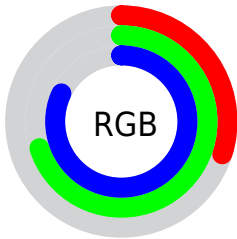
Format	Color
RYB	77, 135, 210
Decimal	5092306
CIELab	68.37, -20.17, -24.46
CIElCh	68, 31.702, 230.498
Yxy	38.4711, 0.2265, 0.2828
Android (android.graphics.Color)	4283282386 (0xFF4DB3D2)
YUV	152.0360, 28.5763, -65.8066
Hunter-Lab	62.0251, -19.8667, -20.4123

Details

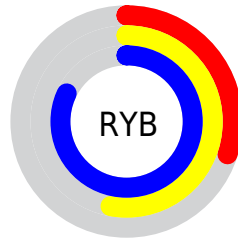
The XYZ color **30.8135, 38.4711, 66.7744** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **33.2816, 24.9640, 10.0869**, and the grayscale version is **29.7643, 31.3144, 34.1014**.

A 20% lighter version of the original color is **58.2396, 72.0399, 105.4433**, and **13.3772, 17.2883, 33.6423** is the 20% darker color. If you saturate the color by 10%, you get **28.4212, 35.8079, 66.3872**, and if you desaturate by 10%, it is **33.7899, 41.4886, 67.2007**.

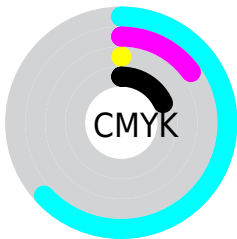
Distribution



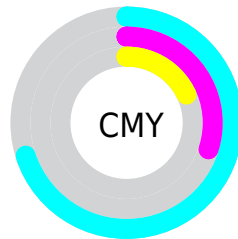
- Red (30%)
- Green (70%)
- Blue (82%)



- Red (30%)
- Yellow (53%)
- Blue (82%)



- Cyan (63%)
- Magenta (15%)
- Yellow (0%)
- Black (18%)



- Cyan (70%)
- Magenta (30%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8135, 38.4711, 66.7744 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 30.8135, 38.4711, 66.7744 by changing the saturation by 10% instead.

■ 30.8135, 38.4711,
66.7744

■ 30.8135, 38.4711,
66.7744

297.5204,
339.6366, 467.6209

■ 20.6080, 26.3485,
48.4409

■ 60.3242, 72.8296,
116.2347

■ 12.9486, 17.0846,
33.8137

■ 80.3601, 95.8344,
148.1985

■ 7.4699, 10.2948,
22.4743

■ 104.4034,
123.2353, 185.5428

■ 3.8066, 5.5949,
14.0042

■ 132.8197,
155.4168, 228.6862

■ 1.5933, 2.6003,
7.9848

165.9742,
192.7633, 278.0471

■ 0.3880, 0.9268,
3.9976

204.2322,

■ 0.0000, 0.0000,

235.6592, 334.0442

1.6240

247.9592,
284.4888, 397.0960

■ 0.0000, 0.0000,
0.3079

■ 0.0000, 0.0000,
0.0000

■ 30.8135, 38.4711,
66.7744

■ 30.8135, 38.4711,
66.7744

■ 28.4212, 35.8079,
66.3872

■ 33.7899, 41.4886,
67.2007

■ 26.5540, 33.4659,
66.0335

■ 37.3946, 44.8815,
67.6656

■ 25.1467, 31.4116,
65.7112

■ 41.6716, 48.6736,
68.1721

■ 24.3872, 30.1617,
65.5099

■ 46.6597, 52.8856,
68.7222

■ 52.3948, 57.5364,
69.3176

■ 58.9102, 62.6437,
69.9601

■ 66.2371, 68.2241,
70.6510

■ 74.4050, 74.2933,
71.3920

■ 79.2755, 78.7181,
71.9894

Harmonies

Analogous

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



28.3195, 38.4711, 52.2297



30.8135, 38.4711, 66.7744



35.0095, 38.4711, 75.1236

Triad

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



30.8135, 38.4711, 66.7744



46.8319, 38.4711, 46.5745



33.3181, 38.4711, 21.1151

Complementary

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



30.8135, 38.4711, 66.7744



33.2816, 24.9640, 10.0869

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.



38.1672, 38.4711, 20.2664



30.8135, 38.4711, 66.7744



46.2747, 38.4711, 33.0112

Square

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



30.8135, 38.4711, 66.7744



44.4521, 38.4711, 61.8374



42.9924, 38.4711, 24.1103



29.6719, 38.4711, 26.7703

Rectangle

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



30.8135, 38.4711, 66.7744



38.3358, 38.4711, 75.0017



42.9924, 38.4711, 24.1103



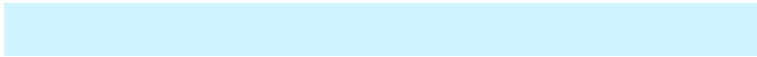
34.8508, 38.4711, 20.3174

Sweetspot

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



30.8148, 38.4725, 66.7753



75.9192, 84.9459, 107.0026



28.7003, 48.7087, 21.4764



15.7161, 17.7452, 22.8468



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.



30.8148, 38.4725, 66.7753



42.9911, 54.2271, 102.8087



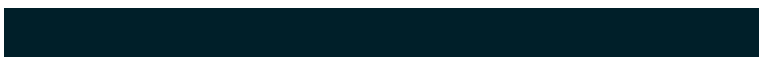
20.7894, 18.4219, 63.4336



11.9151, 12.9204, 15.1095



14.9557, 18.5579, 39.9863



0.8944, 1.1539, 2.2552

Inverse Universe

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



37.3700, 22.2653, 44.9772



54.5310, 29.2635, 63.6352



42.7319, 43.8645, 13.2370



12.1880, 11.9599, 14.2659



20.1797, 9.9447, 21.6500



1.1577, 0.5678, 1.3650

Previews

White Background



This preview shows how the XYZ color 30.8135, 38.4711, 66.7744 looks on a white background.

Color Contrast Check

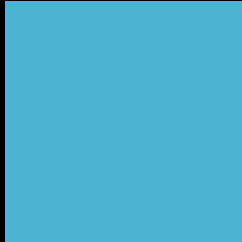
Large Text (above 18pt) WCAG AA × Fail

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 30.8135, 38.4711, 66.7744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

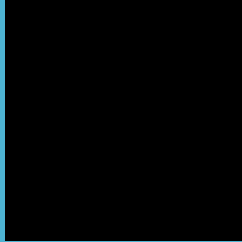
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.8135, 38.4711, 66.7744

Background



This preview shows how black text looks on a background with the XYZ color 30.8135, 38.4711, 66.7744.



This preview shows how white text looks on a background with the XYZ color 30.8135, 38.4711,

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

30.8135, 38.4711, 66.7744

Protanopia

37.8013, 37.9902, 59.9841

Deuteranopia

38.9451, 38.1173, 68.9231



Tritanopia

29.0135, 38.3354, 58.0948

Trichromacy



Original Color

30.8135, 38.4711, 66.7744



Protanomaly

34.1403, 37.4027, 62.5468



Deuteranomaly

34.9506, 37.6921, 68.3840



Tritanomaly

29.6115, 38.2760, 61.0857

Monochromacy



Original Color

30.8135, 38.4711, 66.7744



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

28.9206, 33.2178, 44.4226

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8135, 38.4711, 66.7744 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(77, 179, 210)` looks like.

```
.text, #text, p{  
    color:rgb(77, 179, 210)  
}
```

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(77, 179, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 179, 210) }
```

Border

The CSS property to change the border of an element to XYZ 30.8135, 38.4711, 66.7744 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(77, 179, 210) }
```


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

```
.border{ border-color:rgb(77, 179, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 179, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 179, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 179, 210);  
box-shadow:4px 4px 4px 4px rgb(77, 179,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8135, 38.4711, 66.7744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 179, 210) }
```

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

```
.background{ background-color: rgb(77, 179,  
210) }
```

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