

Converting Colors

XYZ(30.0443, 38.3471, 83.6696)

Have a look what the booklet for
XYZ(30.0443, 38.3471, 83.6696)
contains.

XYZ(31.3752, 38.9883, 83.7137)	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(31.3752, 38.9883,
83.7137)**

Conversions

Conversions Part 1

Format	Color
Hex	00B5EA
RGB	0, 181, 234
RGB Percent	0%, 71%, 92%
CMY	0.9997, 0.2902, 0.0823
CMYK	1.00, 0.23, 0.00, 0.08
HSL	194°, 100%, 46%
HSV	194°, 100%, 92%
XYZ	31.3752, 38.9883, 83.7137
YIQ	132.9230, -124.8890, -21.8890

Conversions

Conversions Part 2

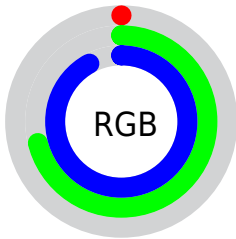
Format	Color
RYB	0, 102, 234
Decimal	46570
CIELab	68.74, -19.71, -37.11
CIELCh	69, 42.024, 242.023
Yxy	38.9883, 0.2036, 0.2530
Android (android.graphics.Color)	4278236650 (0xFF00B5EA)
YUV	132.9230, 49.8310, -116.5735
Hunter-Lab	62.4406, -19.5783, -35.7813

Details

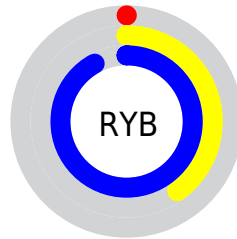
The XYZ color **31.3752, 38.9883, 83.7137** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **35.2084, 20.0449, 2.0153**, and the grayscale version is **22.1311, 23.2836, 25.3558**.

A 20% lighter version of the original color is **54.5185, 70.9765, 105.4342**, and **15.7551, 18.6527, 44.8894** is the 20% darker color. If you saturate the color by 10%, you get **31.3727, 38.9831, 83.7136**, and if you desaturate by 10%, it is **32.8385, 41.3741, 84.0979**.

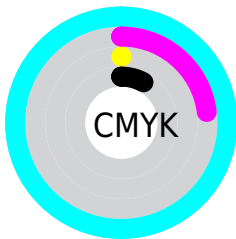
Distribution



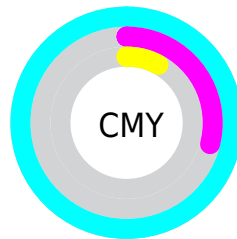
- Red (0%)
- Green (71%)
- Blue (92%)



- Red (0%)
- Yellow (40%)
- Blue (92%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (8%)



- Cyan (100%)
- Magenta (29%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3752, 38.9883, 83.7137 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 31.3752, 38.9883, 83.7137 by changing the saturation by 10% instead.

31.3752, 38.9883,
83.7137

31.3752, 38.9883,
83.7137

300.0593,
341.8407, 527.3952

21.0379, 26.7506,
62.2351

61.2021, 73.6204,
140.4328

13.2644, 17.3860,
44.7856

81.4225, 96.7837,
176.5103

7.6891, 10.5101,
30.9469

105.6680,
124.3576, 218.2912

3.9468, 5.7385,
20.3003

134.3040,
156.7266, 266.1940

1.6721, 2.6867,
12.4273

167.6957,
194.2750, 320.6373

0.4387, 0.9704,
6.9093

206.2086,

0.0000, 0.0000,

237.3872, 382.0395

3.3279

250.2080,
286.4477, 450.8193

■ 0.0000, 0.0000,
1.2644

■ 0.0000, 0.0000,
0.0323

■ 31.3752, 38.9883,
83.7137

■ 31.3752, 38.9883,
83.7137

■ 31.3727, 38.9831,
83.7136

■ 32.8385, 41.3741,
84.0979

■ 34.7806, 44.0677,
84.5154

■ 37.3415, 47.1426,
84.9740

■ 40.6027, 50.6413,
85.4774

■ 44.6329, 54.5998,
86.0291

■ 49.4921, 59.0499,
86.6319

■ 55.2342, 64.0198,
87.2885

■ 61.9085, 69.5355,
88.0014

■ 69.5605, 75.6211,
88.7728

Harmonies

Analogous

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



27.2367, 38.9883, 64.9882



31.3752, 38.9883, 83.7137



37.5106, 38.9883, 90.5894

Triad

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



31.3752, 38.9883, 83.7137



51.3653, 38.9883, 41.1715



30.6804, 38.9883, 18.3531

Complementary

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



31.3752, 38.9883, 83.7137



35.2084, 20.0449, 2.0153

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.



36.6075, 38.9883, 15.3587



31.3752, 38.9883, 83.7137



48.9932, 38.9883, 25.8399

Square

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



31.3752, 38.9883, 83.7137



49.5392, 38.9883, 62.0580



43.3869, 38.9883, 17.6236



26.8706, 38.9883, 27.4823

Rectangle

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



31.3752, 38.9883, 83.7137



42.0632, 38.9883, 86.2676



43.3869, 38.9883, 17.6236



32.4651, 38.9883, 16.7439

Sweetspot

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



31.3766, 38.9896, 83.7147



67.0032, 77.7005, 106.0740



30.0160, 59.0835, 12.9256



13.6815, 16.0675, 22.6302



0.0000, 0.0000, 0.0000



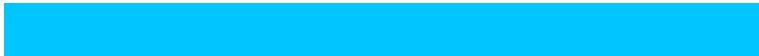
20.3446, 21.4041, 23.3091

Same Dimension

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



31.3766, 38.9896, 83.7147



38.0682, 47.2565, 101.7227



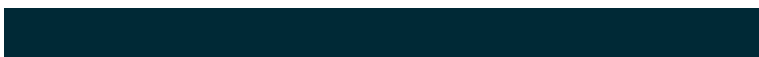
16.8208, 9.8782, 78.8628



15.2115, 16.5094, 19.3072



17.7284, 22.1039, 47.0751



1.4628, 1.8771, 3.7201

Inverse Universe

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



42.2734, 20.8303, 45.5098



51.3443, 25.3017, 55.1385



47.8833, 45.3945, 6.2402



15.5603, 15.2520, 18.2358



23.8038, 11.7242, 25.8319



1.9049, 0.9349, 2.2163

Previews

White Background



This preview shows how the XYZ color 31.3752, 38.9883, 83.7137 looks on a white background.

Color Contrast Check

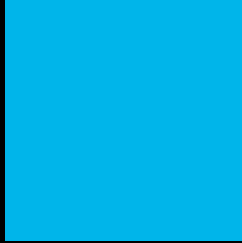
Large Text (above 18pt) WCAG AA × Fail

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 31.3752, 38.9883, 83.7137 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 31.3752, 38.9883, 83.7137

Background



This preview shows how black text looks on a background with the XYZ color 31.3752, 38.9883, 83.7137.



This preview shows how white text looks on a background with the XYZ color 31.3752, 38.9883,

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

31.3752, 38.9883, 83.7137

Protanopia

39.2688, 38.7100, 73.8087

Deuteranopia

39.7030, 38.6588, 86.2582



Tritanopia

27.6578, 38.8214, 60.0684

Trichromacy



Original Color

31.3752, 38.9883, 83.7137



Protanomaly

33.1142, 37.1036, 77.3679



Deuteranomaly

33.9688, 37.3641, 85.5424



Tritanomaly

29.0242, 39.0344, 68.2920

Monochromacy



Original Color

31.3752, 38.9883, 83.7137



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

21.9084, 26.6463, 42.0188

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3752, 38.9883, 83.7137 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(0, 181, 234)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 234)  
}
```

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(0, 181, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 234) }
```

Border

The CSS property to change the border of an element to XYZ 31.3752, 38.9883, 83.7137 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(0, 181, 234) }
```


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

```
.border{ border-color:rgb(0, 181, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 181, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 234);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3752, 38.9883, 83.7137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 234) }
```

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

```
.background{ background-color: rgb(0, 181,  
234) }
```

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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