

Converting Colors

XYZ(31.1658, 38.4815, 83.9157)

Have a look what the booklet for
XYZ(31.1658, 38.4815, 83.9157)
contains.

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Color

**XYZ(31.1725, 38.5830,
83.6462)**

Conversions

Conversions Part 1

Format	Color
Hex	00B4EA
RGB	0, 180, 234
RGB Percent	0%, 71%, 92%
CMY	0.9998, 0.2941, 0.0823
CMYK	1.00, 0.23, 0.00, 0.08
HSL	194°, 100%, 46%
HSV	194°, 100%, 92%
XYZ	31.1725, 38.5830, 83.6462
YIQ	132.3360, -124.6140, -21.3660

Conversions

Conversions Part 2

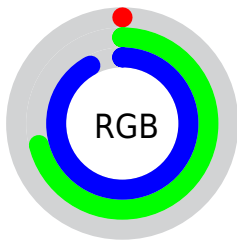
Format	Color
RYB	0, 102, 234
Decimal	46314
CIELab	68.45, -19.19, -37.57
CIELCh	68, 42.188, 242.945
Yxy	38.5830, 0.2032, 0.2515
Android (android.graphics.Color)	4278236394 (0xFF00B4EA)
YUV	132.3360, 50.1204, -116.0587
Hunter-Lab	62.1152, -19.1215, -36.3610

Details

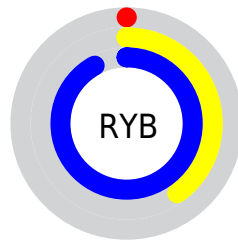
The XYZ color **31.1725, 38.5830, 83.6462** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **35.2543, 20.1366, 2.0304**, and the grayscale version is **21.9172, 23.0586, 25.1108**.

A 20% lighter version of the original color is **54.2298, 70.3991, 105.3379**, and **15.6253, 18.3931, 44.8462** is the 20% darker color. If you saturate the color by 10%, you get **31.1703, 38.5783, 83.6462**, and if you desaturate by 10%, it is **32.6489, 40.9951, 84.0348**.

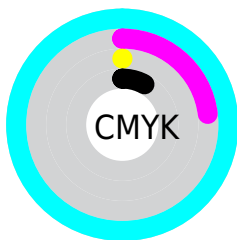
Distribution



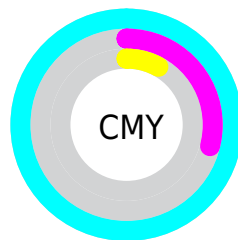
- Red (0%)
- Green (71%)
- Blue (92%)



- 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 31.1725, 38.5830, 83.6462 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 31.1725, 38.5830, 83.6462 by changing the saturation by 10% instead.

■ 31.1725, 38.5830,
83.6462

■ 31.1725, 38.5830,
83.6462

299.1449,
340.1143, 527.1649

■ 20.8827, 26.4355,
62.1797

■ 60.8855, 73.0009,
140.3375

■ 13.1503, 17.1497,
44.7412

■ 81.0395, 96.0400,
176.3993

■ 7.6098, 10.3413,
30.9121

■ 105.2123,
123.4784, 218.1633

■ 3.8960, 5.6258,
20.2741

■ 133.7691,
155.7006, 266.0480

■ 1.6435, 2.6189,
12.4084

■ 167.0755,
193.0909, 320.4720

■ 0.4205, 0.9362,
6.8965

205.4966,

■ 0.0000, 0.0000,

236.0336, 381.8538

3.3200

249.3980,
284.9133, 450.6119

■ 0.0000, 0.0000,
1.2603

■ 0.0000, 0.0000,
0.0289

■ 31.1725, 38.5830,
83.6462

■ 31.1725, 38.5830,
83.6462

■ 31.1703, 38.5783,
83.6462

■ 32.6489, 40.9951,
84.0348

■ 34.6055, 43.7180,
84.4572

■ 37.1824, 46.8252,
84.9211

■ 40.4613, 50.3593,
85.4305

■ 44.5106, 54.3564,
85.9886

■ 49.3905, 58.8482,
86.5984

■ 55.1550, 63.8631,
87.2625

■ 61.8533, 69.4272,
87.9835

■ 69.5309, 75.5645,
88.7634

Harmonies

Analogous

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



26.9784, 38.5830, 65.1637



31.1725, 38.5830, 83.6462



37.3309, 38.5830, 90.0517

Triad

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



31.1725, 38.5830, 83.6462



50.9371, 38.5830, 40.1622



30.1655, 38.5830, 18.2123

Complementary

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



31.1725, 38.5830, 83.6462



35.2543, 20.1366, 2.0304

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.



36.0209, 38.5830, 15.0758



31.1725, 38.5830, 83.6462



48.4472, 38.5830, 25.1158

Square

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



31.1725, 38.5830, 83.6462



49.2401, 38.5830, 60.9061



42.7830, 38.5830, 17.1588



26.4481, 38.5830, 27.4929

Rectangle

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



31.1725, 38.5830, 83.6462



41.8708, 38.5830, 85.4106



42.7830, 38.5830, 17.1588



31.9223, 38.5830, 16.5565

Sweetspot

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



31.1739, 38.5843, 83.6472



66.9084, 77.5109, 106.0424



30.0158, 59.0834, 12.9251



13.6587, 16.0218, 22.6226



0.0000, 0.0000, 0.0000



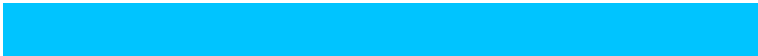
20.3446, 21.4041, 23.3091

Same Dimension

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



31.1739, 38.5843, 83.6472



37.8216, 46.7631, 101.6405



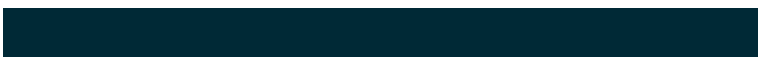
16.8205, 9.8776, 78.8627



15.2058, 16.4980, 19.3053



17.6159, 21.8787, 47.0375



1.4548, 1.8611, 3.7174

Inverse Universe

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



42.1711, 20.7893, 44.9712



51.2198, 25.2519, 54.4827



47.8829, 45.3939, 6.2399



15.5574, 15.2508, 18.2207



23.7470, 11.7015, 25.5326



1.9008, 0.9333, 2.1952

Previews

White Background



This preview shows how the XYZ color 31.1725, 38.5830, 83.6462 looks on a white background.

Color Contrast Check

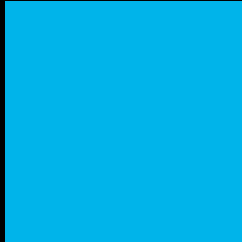
Large Text (above 18pt) WCAG AA × Fail

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 31.1725, 38.5830, 83.6462 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

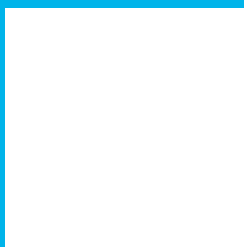
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1725, 38.5830, 83.6462

Background



This preview shows how black text looks on a background with the XYZ color 31.1725, 38.5830, 83.6462.



This preview shows how white text looks on a background with the XYZ color 31.1725, 38.5830,

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

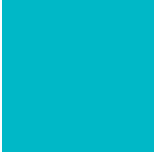
31.1725, 38.5830, 83.6462

Protanopia

38.9043, 38.2554, 73.7402

Deuteranopia

39.1893, 38.1272, 86.1827



Tritanopia

27.4493, 38.4045, 59.9989

Trichromacy



Original Color

31.1725, 38.5830, 83.6462



Protanomaly

32.8215, 36.6733, 77.3003



Deuteranomaly

33.6853, 36.9386, 85.4752



Tritanomaly

28.8172, 38.6204, 68.2230

Monochromacy



Original Color

31.1725, 38.5830, 83.6462



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

21.5650, 26.2443, 41.4652

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1725, 38.5830, 83.6462 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, 180, 234)` looks like.

```
.text, #text, p{  
    color:rgb(0, 180, 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, 180, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 180, 234) }
```

Border

The CSS property to change the border of an element to XYZ 31.1725, 38.5830, 83.6462 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, 180, 234) }
```


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

```
.border{ border-color:rgb(0, 180, 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, 180, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 180, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 180, 234);  
box-shadow:4px 4px 4px 4px rgb(0, 180,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1725, 38.5830, 83.6462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 180, 234) }
```

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

```
.background{ background-color: rgb(0, 180,  
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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