

Converting Colors

XYZ(30.6462, 37.9383, 80.2029)

Have a look what the booklet for
XYZ(30.6462, 37.9383, 80.2029)
contains.

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Color

**XYZ(30.8290, 38.1730,
80.6062)**

Conversions

Conversions Part 1

Format	Color
Hex	1AB3E6
RGB	26, 179, 230
RGB Percent	10%, 70%, 90%
CMY	0.8979, 0.2980, 0.0980
CMYK	0.89, 0.22, 0.00, 0.10
HSL	195°, 80%, 50%
HSV	195°, 89%, 90%
XYZ	30.8290, 38.1730, 80.6062
YIQ	139.0670, -107.5590, -16.5750

Conversions

Conversions Part 2

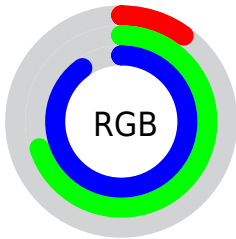
Format	Color
R _Y B	26, 113, 230
Decimal	1749990
CIE Lab	68.15, -19.17, -35.84
CIE LCh	68, 40.646, 241.864
Yxy	38.1730, 0.2061, 0.2552
Android (android.graphics.Color)	4279940070 (0xFF1AB3E6)
YUV	139.0670, 44.8300, -99.1598
Hunter-Lab	61.7843, -19.0550, -34.1030

Details

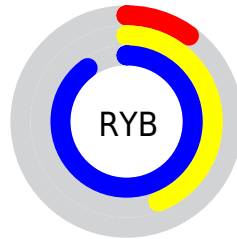
The XYZ color **30.8290, 38.1730, 80.6062** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **35.4759, 22.2093, 3.3959**, and the grayscale version is **24.4325, 25.7049, 27.9926**.

A 20% lighter version of the original color is **54.5684, 70.1474, 105.2715**, and **15.1008, 17.9777, 42.7185** is the 20% darker color. If you saturate the color by 10%, you get **29.3128, 35.7165, 80.2127**, and if you desaturate by 10%, it is **32.8483, 40.9615, 81.0388**.

Distribution



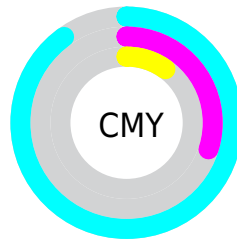
- Red (10%)
- Green (70%)
- Blue (90%)



- Red (10%)
- Yellow (44%)
- Blue (90%)



- Cyan (89%)
- Magenta (22%)
- Yellow (0%)
- Black (10%)



- Cyan (90%)
- Magenta (30%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8290, 38.1730, 80.6062 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 30.8290, 38.1730, 80.6062 by changing the saturation by 10% instead.

30.8290, 38.1730,
80.6062

30.8290, 38.1730,
80.6062

297.5907,
338.3615, 516.7340

20.6199, 26.1170,
59.6882

60.3484, 72.3732,
136.0368

12.9573, 16.9112,
42.7437

80.3894, 95.2862,
171.3864

7.4759, 10.1712,
29.3542

104.4384,
122.5870, 212.3838

3.8104, 5.5126,
19.1010

132.8607,
154.6600, 259.4473

1.5955, 2.5511,
11.5658

166.0218,
191.8895, 312.9955

0.3895, 0.9021,
6.3298

204.2869,

0.0000, 0.0000,

234.6600, 373.4470

2.9746

248.0214,
283.3559, 441.2203

■ 0.0000, 0.0000,
1.0817

■ 0.0000, 0.0000,
0.0000

■ 30.8290, 38.1730,
80.6062

■ 30.8290, 38.1730,
80.6062

■ 29.3128, 35.7165,
80.2127

■ 32.8483, 40.9615,
81.0388

■ 29.1300, 35.4070,
80.1626

■ 35.4803, 44.1374,
81.5131

■ 38.8026, 47.7422,
82.0338

■ 42.8797, 51.8100,
82.6040

■ 47.7686, 56.3710,
83.2267

■ 53.5204, 61.4522,
83.9043

■ 60.1820, 67.0786,
84.6393

■ 67.7966, 73.2734,
85.4336

■ 76.4048, 80.0580,
86.2895

Harmonies

Analogous

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



26.8775, 38.1730, 62.8674



30.8290, 38.1730, 80.6062



36.6806, 38.1730, 87.1672

Triad

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



30.8290, 38.1730, 80.6062



49.8899, 38.1730, 40.4377



30.2165, 38.1730, 18.3946

Complementary

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



30.8290, 38.1730, 80.6062



35.4759, 22.2093, 3.3959

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.



35.8869, 38.1730, 15.5132



30.8290, 38.1730, 80.6062



47.6589, 38.1730, 25.7153

Square

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



30.8290, 38.1730, 80.6062



48.1365, 38.1730, 60.3090



42.3435, 38.1730, 17.7425



26.5539, 38.1730, 27.1713

Rectangle

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



30.8290, 38.1730, 80.6062



41.0170, 38.1730, 83.1440



42.3435, 38.1730, 17.7425



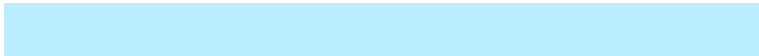
31.9267, 38.1730, 16.8425

Sweetspot

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



30.8303, 38.1743, 80.6072



68.8483, 78.7023, 106.1701



30.0641, 57.3503, 16.5102



14.1621, 16.3496, 22.6593



0.0000, 0.0000, 0.0000



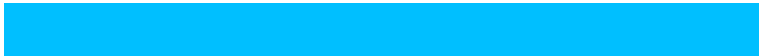
20.3446, 21.4041, 23.3091

Same Dimension

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



30.8303, 38.1743, 80.6072



36.7339, 44.5878, 101.2780



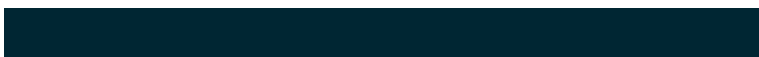
17.3651, 11.2439, 76.1187



14.4863, 15.6940, 18.4101



16.5934, 20.2488, 45.4170



1.2986, 1.6412, 3.3803

Inverse Universe

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



41.1404, 20.8179, 44.4990



50.6708, 25.0323, 51.5918



48.9419, 49.1411, 7.8846



14.8330, 14.5504, 17.3212



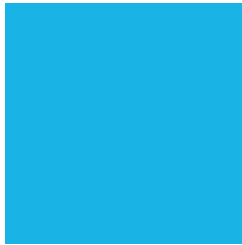
22.7691, 11.2418, 23.4767



1.7191, 0.8454, 1.9274

Previews

White Background



This preview shows how the XYZ color 30.8290, 38.1730, 80.6062 looks on a white background.

Color Contrast Check

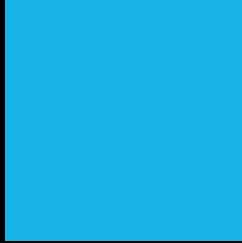
Large Text (above 18pt) WCAG AA × Fail

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 30.8290, 38.1730, 80.6062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

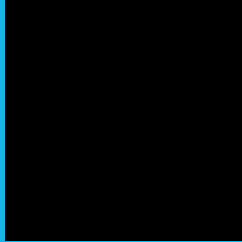
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.8290, 38.1730, 80.6062

Background



This preview shows how black text looks on a background with the XYZ color 30.8290, 38.1730, 80.6062.

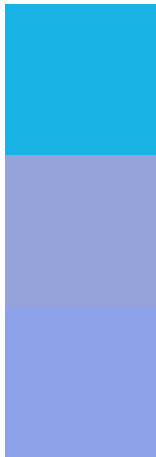


This preview shows how white text looks on a background with the XYZ color 30.8290, 38.1730,

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

30.8290, 38.1730, 80.6062

Protanopia

38.3298, 37.7404, 71.5941

Deuteranopia

38.7637, 37.7103, 83.0777



Tritanopia

27.1265, 37.9442, 59.3203

Trichromacy



Original Color

30.8290, 38.1730, 80.6062

Protanomaly

33.1985, 36.6531, 74.4323

Deuteranomaly

34.0415, 36.9118, 82.4213

Tritanomaly

28.4735, 38.1671, 66.8390

Monochromacy



Original Color

30.8290, 38.1730, 80.6062

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

24.0390, 28.6864, 43.2998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8290, 38.1730, 80.6062 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(26, 179, 230)` looks like.

```
.text, #text, p{  
    color:rgb(26, 179, 230)  
}
```

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(26, 179, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 179, 230) }
```

Border

The CSS property to change the border of an element to XYZ 30.8290, 38.1730, 80.6062 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(26, 179, 230) }
```


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

```
.border{ border-color:rgb(26, 179, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 179, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 179, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 179, 230);  
box-shadow:4px 4px 4px 4px rgb(26, 179,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8290, 38.1730, 80.6062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 179, 230) }
```

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

```
.background{ background-color: rgb(26, 179,  
230) }
```

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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