

Converting Colors

XYZ(20.2065, 32.4019, 79.8064)

Have a look what the booklet for
XYZ(20.2065, 32.4019, 79.8064)
contains.

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Color

**XYZ(30.2033, 37.5540,
80.5197)**

Conversions

Conversions Part 1

Format	Color
Hex	00B2E6
RGB	0, 178, 230
RGB Percent	0%, 70%, 90%
CMY	0.9998, 0.3020, 0.0980
CMYK	1.00, 0.23, 0.00, 0.10
HSL	194°, 100%, 45%
HSV	194°, 100%, 90%
XYZ	30.2033, 37.5540, 80.5197
YIQ	130.7060, -122.7800, -21.5640

Conversions

Conversions Part 2

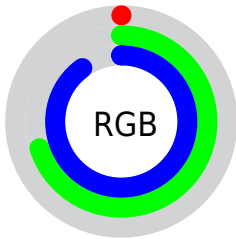
Format	Color
RYB	0, 100, 230
Decimal	45798
CIELab	67.69, -19.54, -36.57
CIELCh	68, 41.458, 241.887
Yxy	37.5540, 0.2037, 0.2533
Android (android.graphics.Color)	4278235878 (0xFF00B2E6)
YUV	130.7060, 48.9519, -114.6292
Hunter-Lab	61.2813, -19.2662, -35.0063

Details

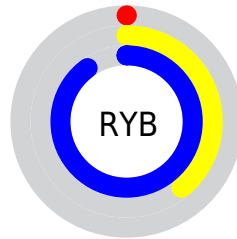
The XYZ color **30.2033, 37.5540, 80.5197** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **33.8642, 19.2841, 1.9390**, and the grayscale version is **21.3376, 22.4488, 24.4467**.

A 20% lighter version of the original color is **53.5362, 69.1914, 105.1414**, and **14.9736, 17.7232, 42.6761** is the 20% darker color. If you saturate the color by 10%, you get **30.2014, 37.5499, 80.5198**, and if you desaturate by 10%, it is **31.6132, 39.8470, 80.8888**.

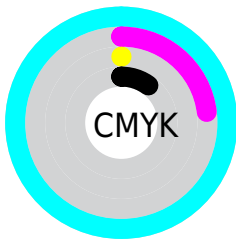
Distribution



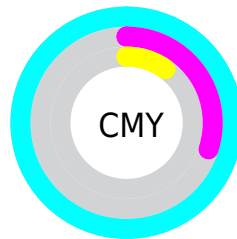
- Red (0%)
- Green (70%)
- Blue (90%)



- Red (0%)
- Yellow (39%)
- Blue (90%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (10%)



- Cyan (100%)
- Magenta (30%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2033, 37.5540, 80.5197 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 30.2033, 37.5540, 80.5197 by changing the saturation by 10% instead.

■ 30.2033, 37.5540,
80.5197

■ 30.2033, 37.5540,
80.5197

294.7438,
335.7029, 516.4354

■ 20.1418, 25.6367,
59.6174

■ 59.3680, 71.4240,
135.9141

■ 12.6070, 16.5521,
42.6871

■ 79.2018, 94.1456,
171.2434

■ 7.2336, 9.9156,
29.3101

■ 103.0238,
121.2373, 212.2187

■ 3.6563, 5.3431,
19.0679

■ 131.1994,
153.0836, 259.2587

■ 1.5096, 2.4499,
11.5421

■ 164.0938,
190.0690, 312.7818

■ 0.3323, 0.8514,
6.3139

202.0724,

■ 0.0000, 0.0000,

232.5777, 373.2066

2.9650

245.5006,
280.9942, 440.9516

■ 0.0000, 0.0000,
1.0768

■ 0.0000, 0.0000,
0.0000

■ 30.2033, 37.5540,
80.5197

■ 30.2033, 37.5540,
80.5197

■ 30.2014, 37.5499,
80.5198

■ 31.6132, 39.8470,
80.8888

■ 33.4821, 42.4349,
81.2898

■ 35.9454, 45.3888,
81.7301

■ 39.0813, 48.7494,
82.2135

■ 42.9554, 52.5514,
82.7431

■ 47.6254, 56.8249,
83.3219

■ 53.1429, 61.5972,
83.9522

■ 59.5550, 66.8932,
84.6365

■ 66.9055, 72.7358,
85.3768

Harmonies

Analogous

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



26.2311, 37.5540, 62.4762



30.2033, 37.5540, 80.5197



36.1006, 37.5540, 87.1992

Triad

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



30.2033, 37.5540, 80.5197



49.4606, 37.5540, 39.7405



29.5798, 37.5540, 17.6708

Complementary

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



30.2033, 37.5540, 80.5197



33.8642, 19.2841, 1.9390

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.



35.2903, 37.5540, 14.8114



30.2033, 37.5540, 80.5197



47.1962, 37.5540, 24.9549

Square

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



30.2033, 37.5540, 80.5197



47.6859, 37.5540, 59.8479



41.8127, 37.5540, 17.0158



25.9025, 37.5540, 26.4290

Rectangle

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



30.2033, 37.5540, 80.5197



40.4808, 37.5540, 83.0885



41.8127, 37.5540, 17.0158



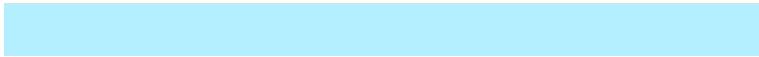
31.3002, 37.5540, 16.1298

Sweetspot

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



30.2046, 37.5553, 80.5206



67.0125, 77.7191, 106.0771



28.8709, 56.8238, 12.4502



13.6838, 16.0720, 22.6309



0.0000, 0.0000, 0.0000



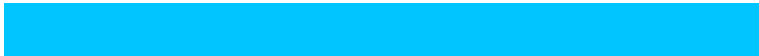
20.3446, 21.4041, 23.3091

Same Dimension

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



30.2046, 37.5553, 80.5206



38.0925, 47.3051, 101.7308



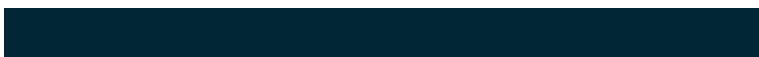
16.1860, 9.5180, 75.8478



14.5166, 15.7545, 18.4202



17.1940, 21.4502, 45.6172



1.3385, 1.7209, 3.3936

Inverse Universe

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



40.6702, 20.0388, 43.8450



51.3565, 25.3066, 55.2030



46.0618, 43.6794, 6.0048



14.8483, 14.5565, 17.4016



23.0723, 11.3631, 25.0732



1.7392, 0.8534, 2.0333

Previews

White Background



This preview shows how the XYZ color 30.2033, 37.5540, 80.5197 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 30.2033, 37.5540, 80.5197 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

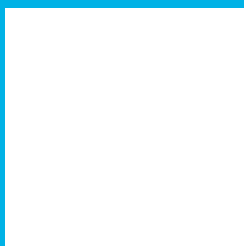
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.2033, 37.5540, 80.5197

Background



This preview shows how black text looks on a background with the XYZ color 30.2033, 37.5540, 80.5197.

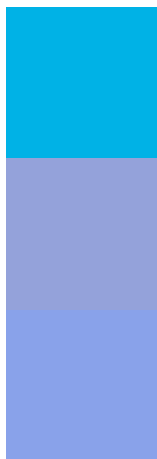


This preview shows how white text looks on a background with the XYZ color 30.2033, 37.5540,

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

30.2033, 37.5540, 80.5197

Protanopia

37.7880, 37.1985, 71.5181

Deuteranopia

38.0881, 37.0995, 82.9954



Tritanopia

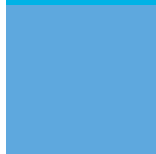
26.6918, 37.4414, 58.0447

Trichromacy



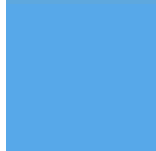
Original Color

30.2033, 37.5540, 80.5197



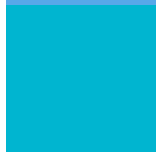
Protanomaly

31.8035, 35.6589, 74.3139



Deuteranomaly

32.6411, 35.9147, 82.3027



Tritanomaly

27.9090, 37.6018, 65.4614

Monochromacy



Original Color

30.2033, 37.5540, 80.5197



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

21.1322, 25.8088, 40.4270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2033, 37.5540, 80.5197 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, 178, 230)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 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(0, 178, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 230) }
```

Border

The CSS property to change the border of an element to XYZ 30.2033, 37.5540, 80.5197 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, 178, 230) }
```


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

```
.border{ border-color:rgb(0, 178, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 178, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 230);  
box-shadow:4px 4px 4px 4px rgb(0, 178,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2033, 37.5540, 80.5197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 178, 230) }
```

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

```
.background{ background-color: rgb(0, 178,  
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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