

Converting Colors

XYZ(18.2065, 36.2058, 16.5015)

Have a look what the booklet for
XYZ(18.2065, 36.2058, 16.5015)
contains.

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Color

**XYZ(20.2180, 37.2033,
16.7050)**

Conversions

Conversions Part 1

Format	Color
Hex	00BD5E
RGB	0, 189, 94
RGB Percent	0%, 74%, 37%
CMY	0.9999, 0.2588, 0.6314
CMYK	1.00, 0.00, 0.50, 0.26
HSL	150°, 100%, 37%
HSV	150°, 100%, 74%
XYZ	20.2180, 37.2033, 16.7050
YIQ	121.6590, -82.1490, -69.6130

Conversions

Conversions Part 2

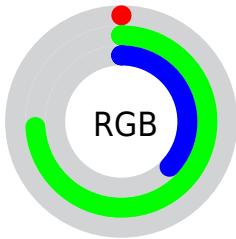
Format	Color
RYB	0, 126, 189
Decimal	48478
CIELab	67.43, -61.14, 36.78
CIELCh	67, 71.346, 148.972
Yxy	37.2033, 0.2728, 0.5019
Android (android.graphics.Color)	4278238558 (0xFF00BD5E)
YUV	121.6590, -13.6359, -106.6949
Hunter-Lab	60.9945, -47.5726, 26.4580

Details

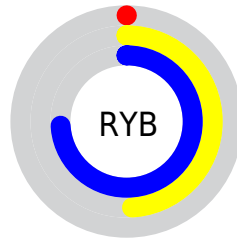
The XYZ color **20.2180, 37.2033, 16.7050** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **23.0534, 11.6460, 11.8628**, and the grayscale version is **18.4516, 19.4125, 21.1402**.

A 20% lighter version of the original color is **43.3788, 71.1382, 38.6389**, and **8.9988, 17.2397, 5.3359** is the 20% darker color. If you saturate the color by 10%, you get **20.2184, 37.2046, 16.7042**, and if you desaturate by 10%, it is **20.9387, 37.5235, 19.1040**.

Distribution



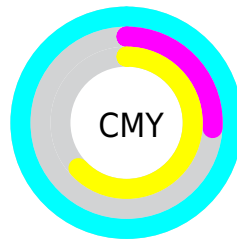
- Red (0%)
- Green (74%)
- Blue (37%)



- Red (0%)
- Yellow (49%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (26%)



- Cyan (100%)
- Magenta (26%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2180, 37.2033, 16.7050 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 20.2180, 37.2033, 16.7050 by changing the saturation by 10% instead.

■ 20.2180, 37.2033,
16.7050

■ 20.2180, 37.2033,
16.7050

245.9040,
334.1899, 245.4527

■ 12.6628, 25.3649,
9.8647

■ 43.2835, 70.8854,
38.6015

■ 7.2721, 16.3492,
5.2049

■ 59.5246, 93.4978,
54.4948

■ 3.6807, 9.7716,
2.3071

■ 79.3916, 120.4705,
74.2428

■ 1.5231, 5.2478,
0.7352

■ 103.2500,
152.1877, 98.2641

■ 0.3415, 2.3934,
0.0000

■ 131.4650,
189.0338, 126.9772

■ 0.0000, 0.8225,
0.0000

■ 164.4022,

■ 0.0000, 0.0000,

231.3933, 160.8006

0.0000

202.4267,
279.6505, 200.1530

■ 20.2180, 37.2033,
16.7050

■ 20.2180, 37.2033,
16.7050

■ 20.2184, 37.2046,
16.7042

■ 20.9387, 37.5235,
19.1040

■ 21.9716, 37.9974,
21.8002

■ 23.4136, 38.6757,
24.8079

■ 25.3135, 39.5834,
28.1380

■ 27.7129, 40.7417,
31.8006

■ 30.6484, 42.1695,
35.8053

■ 34.1532, 43.8835,
40.1614

■ 38.2575, 45.8992,
44.8775

■ 42.9894, 48.2309,
49.9621

Harmonies

Analogous

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



26.1145, 37.2033, 7.3479



20.2180, 37.2033, 16.7050



18.2158, 37.2033, 39.4361

Triad

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



20.2180, 37.2033, 16.7050



34.9843, 37.2033, 135.6009



57.1540, 37.2033, 17.7645

Complementary

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



20.2180, 37.2033, 16.7050



23.0534, 11.6460, 11.8628

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.



60.8539, 37.2033, 41.5993



20.2180, 37.2033, 16.7050



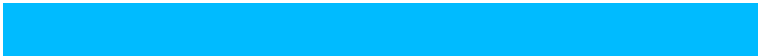
46.5662, 37.2033, 119.4321

Square

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



20.2180, 37.2033, 16.7050



25.5837, 37.2033, 117.2221



56.6355, 37.2033, 80.1979



47.3565, 37.2033, 7.6999

Rectangle

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



20.2180, 37.2033, 16.7050



18.9582, 37.2033, 63.4335



56.6355, 37.2033, 80.1979



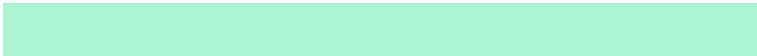
59.2316, 37.2033, 23.9023

Sweetspot

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



20.2189, 37.2048, 16.7059



60.8359, 78.4306, 71.5315



23.1986, 38.9743, 6.3005



12.4906, 16.5764, 14.6614



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



20.2189, 37.2048, 16.7059



36.0890, 66.5827, 29.2791



27.0458, 39.9355, 52.6555



9.6013, 10.7266, 11.1498



13.6417, 25.0469, 11.4416



0.5674, 0.9943, 0.6221

Inverse Universe

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



23.0534, 11.6460, 11.8628



41.1651, 20.8080, 20.6038



21.0045, 10.8264, 1.0735



9.7248, 9.6142, 10.9398



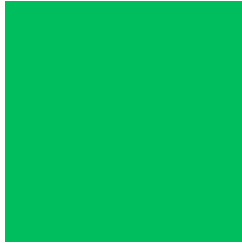
15.5488, 7.8507, 8.1836



0.6421, 0.3207, 0.4944

Previews

White Background



This preview shows how the XYZ color 20.2180, 37.2033, 16.7050 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 20.2180, 37.2033, 16.7050 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 20.2180, 37.2033, 16.7050

Background



This preview shows how black text looks on a background with the XYZ color 20.2180, 37.2033, 16.7050.



This preview shows how white text looks on a background with the XYZ color 20.2180, 37.2033,

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

20.2180, 37.2033, 16.7050

Protanopia

33.5593, 36.5536, 13.8811

Deuteranopia

37.3127, 36.6066, 17.6696



Tritanopia

28.2185, 37.0688, 56.1198

Trichromacy



Original Color

20.2180, 37.2033, 16.7050



Protanomaly

23.5842, 33.8545, 14.5241



Deuteranomaly

24.7122, 33.2661, 16.9229



Tritanomaly

23.9405, 36.4711, 37.6761

Monochromacy



Original Color

20.2180, 37.2033, 16.7050



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

16.3454, 23.3473, 18.9742

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2180, 37.2033, 16.7050 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, 189, 94)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 94)  
}
```

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, 189, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 94) }
```

Border

The CSS property to change the border of an element to XYZ 20.2180, 37.2033, 16.7050 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, 189, 94) }
```


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

```
.border{ border-color:rgb(0, 189, 94) }
```

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

Here you see how a box with a 4 pixel rgb(0, 189, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 94);  
box-shadow:4px 4px 4px 4px rgb(0, 189, 94)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.2180, 37.2033, 16.7050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 94) }
```

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

```
.background{ background-color: rgb(0, 189,  
94) }
```

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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