

Converting Colors

XYZ(20.5874, 38.1315, 16.2443)

Have a look what the booklet for
XYZ(20.5874, 38.1315, 16.2443)
contains.

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Color

**XYZ(20.5191, 38.0169,
16.1541)**

Conversions

Conversions Part 1

Format	Color
Hex	00BF5B
RGB	0, 191, 91
RGB Percent	0%, 75%, 36%
CMY	1.0000, 0.2510, 0.6431
CMYK	1.00, 0.00, 0.52, 0.25
HSL	149°, 100%, 37%
HSV	149°, 100%, 75%
XYZ	20.5191, 38.0169, 16.1541
YIQ	122.4910, -81.7360, -71.5920

Conversions

Conversions Part 2

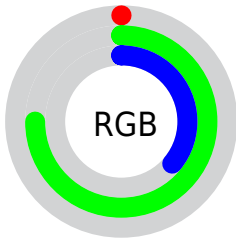
Format	Color
RYB	0, 129, 191
Decimal	48987
CIELab	68.03, -62.27, 39.01
CIELCh	68, 73.475, 147.934
Yxy	38.0169, 0.2747, 0.5090
Android (android.graphics.Color)	4278239067 (0xFF00BF5B)
YUV	122.4910, -15.5251, -107.4246
Hunter-Lab	61.6578, -48.4983, 27.6268

Details

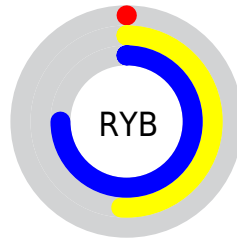
The XYZ color **20.5191, 38.0169, 16.1541** is a dark color, and the websafe version is hex **00CC66**. A complement of this color would be **23.7873, 11.9971, 13.1201**, and the grayscale version is **18.7290, 19.7044, 21.4581**.

A 20% lighter version of the original color is **43.8706, 72.3312, 37.6357**, and **9.2044, 17.7684, 5.0423** is the 20% darker color. If you saturate the color by 10%, you get **20.5198, 38.0183, 16.1543**, and if you desaturate by 10%, it is **21.2513, 38.3422, 18.5935**.

Distribution



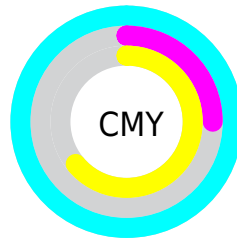
- Red (0%)
- Green (75%)
- Blue (36%)



- Red (0%)
- Yellow (51%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (52%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.5191, 38.0169, 16.1541 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 20.5191, 38.0169, 16.1541 by changing the saturation by 10% instead.


 20.5191, 38.0169,
16.1541


 20.5191, 38.0169,
16.1541


247.4920,
337.6925, 242.1260


 12.8834, 25.9958,
9.4777


 43.7831, 72.1340,
37.6360


 7.4247, 16.8205,
4.9530

 60.1422, 94.9989,
53.2787


 3.7778, 10.1066,
2.1615


 80.1397, 122.2471,
72.7471

 1.5772, 5.4697,
0.6520

 104.1410,
154.2631, 96.4600

 0.3775, 2.5254,
0.0000

 132.5116,
191.4312, 124.8358

 0.0000, 0.8893,
0.0000

165.6167,

 0.0000, 0.0000,

234.1359, 158.2930

0.0000

203.8217,
282.7615, 197.2502

■ 20.5191, 38.0169,
16.1541

■ 20.5191, 38.0169,
16.1541

■ 20.5198, 38.0183,
16.1543

■ 21.2513, 38.3422,
18.5935

■ 22.3079, 38.8268,
21.3585

■ 23.7878, 39.5225,
24.4653

■ 25.7415, 40.4551,
27.9262

■ 28.2118, 41.6464,
31.7528

■ 31.2366, 43.1159,
35.9561

■ 34.8501, 44.8808,
40.5468

■ 39.0835, 46.9572,
45.5347

■ 43.9659, 49.3598,
50.9295

Harmonies

Analogous

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



26.7807, 38.0169, 6.9609



20.5191, 38.0169, 16.1541



18.3126, 38.0169, 39.1653

Triad

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



20.5191, 38.0169, 16.1541



35.3471, 38.0169, 141.6119



59.2508, 38.0169, 18.3460

Complementary

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



20.5191, 38.0169, 16.1541



23.7873, 11.9971, 13.1201

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.



62.8647, 38.0169, 43.7056



20.5191, 38.0169, 16.1541



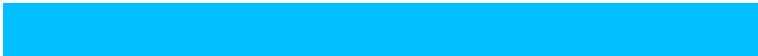
47.4449, 38.0169, 125.6828

Square

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



20.5191, 38.0169, 16.1541



25.6721, 38.0169, 120.9831



58.1555, 38.0169, 84.6361



49.1101, 38.0169, 7.6756

Rectangle

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



20.5191, 38.0169, 16.1541



18.9909, 38.0169, 63.9717



58.1555, 38.0169, 84.6361



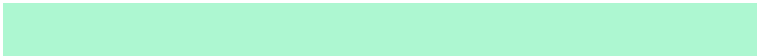
61.3521, 38.0169, 24.8726

Sweetspot

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



20.5200, 38.0184, 16.1550



62.0802, 80.2152, 72.2077



24.0964, 40.0803, 6.4664



13.0014, 17.3061, 15.0698



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



20.5200, 38.0184, 16.1550



36.6287, 68.0401, 28.2938



27.3502, 40.7505, 52.1222



9.5929, 10.7233, 11.1059



13.5250, 25.0003, 10.8275



0.5629, 0.9925, 0.5983

Inverse Universe

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



23.7873, 11.9971, 13.1201



42.4774, 21.4363, 22.8441



21.5217, 11.0909, 1.1894



9.7332, 9.6176, 10.9839



15.6729, 7.9003, 8.8373



0.6468, 0.3226, 0.5192

Previews

White Background



This preview shows how the XYZ color 20.5191, 38.0169, 16.1541 looks on a white background.

Color Contrast Check

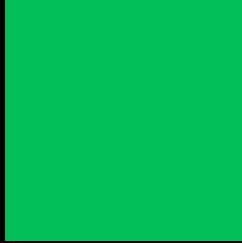
Large Text (above 18pt) WCAG AA × Fail

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 20.5191, 38.0169, 16.1541 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 20.5191, 38.0169, 16.1541

Background



This preview shows how black text looks on a background with the XYZ color 20.5191, 38.0169, 16.1541.



This preview shows how white text looks on a background with the XYZ color 20.5191, 38.0169,

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

20.5191, 38.0169, 16.1541

Protanopia

34.2695, 37.4645, 13.4078

Deuteranopia

37.9104, 37.1762, 17.2342



Tritanopia

28.8829, 37.9934, 56.8501

Trichromacy



Original Color

20.5191, 38.0169, 16.1541



Protanomaly

23.9782, 34.6410, 14.0169



Deuteranomaly

25.0980, 33.7510, 16.5011



Tritanomaly

24.3986, 37.3196, 37.8158

Monochromacy



Original Color

20.5191, 38.0169, 16.1541



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

16.4448, 23.6348, 18.7342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5191, 38.0169, 16.1541 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, 191, 91)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 91)  
}
```

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, 191, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 91) }
```

Border

The CSS property to change the border of an element to XYZ 20.5191, 38.0169, 16.1541 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, 191, 91) }
```


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

```
.border{ border-color:rgb(0, 191, 91) }
```

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

Here you see how a box with a 4 pixel rgb(0, 191, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 91);  
box-shadow:4px 4px 4px 4px rgb(0, 191, 91)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.5191, 38.0169, 16.1541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 91) }
```

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

```
.background{ background-color: rgb(0, 191,  
91) }
```

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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