

Converting Colors

XYZ(20.9269, 38.2674, 18.0322)

Have a look what the booklet for
XYZ(20.9269, 38.2674, 18.0322)
contains.

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Color

**XYZ(20.8829, 38.1625,
18.0698)**

Conversions

Conversions Part 1

Format	Color
Hex	00BF63
RGB	0, 191, 99
RGB Percent	0%, 75%, 39%
CMY	1.0000, 0.2510, 0.6118
CMYK	1.00, 0.00, 0.48, 0.25
HSL	151°, 100%, 37%
HSV	151°, 100%, 75%
XYZ	20.8829, 38.1625, 18.0698
YIQ	123.4030, -84.3040, -69.1040

Conversions

Conversions Part 2

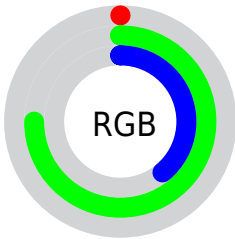
Format	Color
RYB	0, 126, 191
Decimal	48995
CIELab	68.14, -60.96, 35.16
CIELCh	68, 70.378, 150.026
Yxy	38.1625, 0.2708, 0.4949
Android (android.graphics.Color)	4278239075 (0xFF00BF63)
YUV	123.4030, -12.0307, -108.2244
Hunter-Lab	61.7758, -47.7669, 25.9004

Details

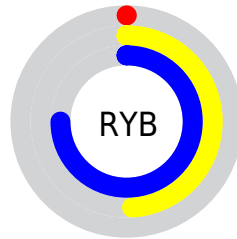
The XYZ color **20.8829, 38.1625, 18.0698** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **23.4188, 11.8497, 11.1794**, and the grayscale version is **19.0195, 20.0100, 21.7909**.

A 20% lighter version of the original color is **44.4986, 72.5824, 40.9426**, and **9.3799, 17.8386, 5.9664** is the 20% darker color. If you saturate the color by 10%, you get **20.8837, 38.1640, 18.0702**, and if you desaturate by 10%, it is **21.6197, 38.4896, 20.5337**.

Distribution



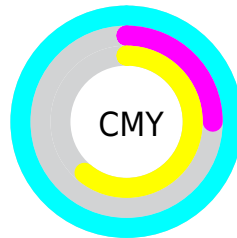
- Red (0%)
- Green (75%)
- Blue (39%)



- Red (0%)
- Yellow (49%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (48%)
- Black (25%)



- Cyan (100%)
- Magenta (25%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8829, 38.1625, 18.0698 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 20.8829, 38.1625, 18.0698 by changing the saturation by 10% instead.

■ 20.8829, 38.1625,
18.0698

■ 20.8829, 38.1625,
18.0698

249.3990,
338.3165, 253.5135

■ 13.1504, 26.1088,
10.8302

■ 44.3853, 72.3571,
40.9718

■ 7.6099, 16.9051,
5.8400

■ 60.8859, 95.2669,
57.4712

■ 3.8961, 10.1668,
2.6808

■ 81.0400, 122.5642,
77.8942

■ 1.6435, 5.5097,
0.9338

■ 105.2128,
154.6333, 102.6595

■ 0.4205, 2.5493,
0.0000

■ 133.7698,
191.8587, 132.1855

■ 0.0000, 0.9013,
0.0000

■ 167.0762,

■ 0.0000, 0.0000,

234.6248, 166.8909

0.0000

205.4975,
283.3159, 207.1940

■ 20.8829, 38.1625,
18.0698

■ 20.8829, 38.1625,
18.0698

■ 20.8837, 38.1640,
18.0702

■ 21.6197, 38.4896,
20.5337

■ 22.6731, 38.9729,
23.2817

■ 24.1413, 39.6640,
26.3269

■ 26.0744, 40.5883,
29.6795

■ 28.5147, 41.7677,
33.3487

■ 31.4999, 43.2212,
37.3434

■ 35.0636, 44.9662,
41.6720

■ 39.2367, 47.0185,
46.3425

■ 44.0479, 49.3926,
51.3627

Harmonies

Analogous

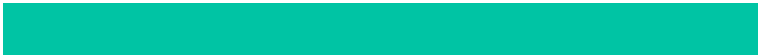
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



26.6988, 38.1625, 8.1062



20.8829, 38.1625, 18.0698



18.9886, 38.1625, 41.5795

Triad

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



20.8829, 38.1625, 18.0698



36.2818, 38.1625, 136.1110



57.7985, 38.1625, 18.0429

Complementary

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



20.8829, 38.1625, 18.0698



23.4188, 11.8497, 11.1794

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.



61.7514, 38.1625, 41.5254



20.8829, 38.1625, 18.0698



47.8979, 38.1625, 118.9841

Square

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



20.8829, 38.1625, 18.0698



26.7121, 38.1625, 119.0387



57.8114, 38.1625, 79.6818



47.8782, 38.1625, 8.0971

Rectangle

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



20.8829, 38.1625, 18.0698



19.8301, 38.1625, 65.8927



57.8114, 38.1625, 79.6818



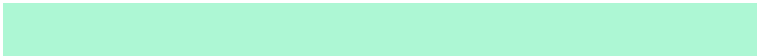
59.9489, 38.1625, 24.0931

Sweetspot

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



20.8839, 38.1640, 18.0707



62.4677, 80.3702, 74.2482



23.0773, 39.5550, 6.4187



13.0953, 17.3436, 15.5640



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.



20.8839, 38.1640, 18.0707



37.2777, 68.2997, 31.7116



27.3492, 39.6514, 55.5042



9.6097, 10.7300, 11.1941



13.7649, 25.0962, 12.0904



0.5721, 0.9962, 0.6469

Inverse Universe

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



23.4188, 11.8497, 11.1794



41.8198, 21.1732, 19.3809



21.5214, 11.1460, 1.0172



9.7164, 9.6109, 10.8957



15.4301, 7.8032, 7.5585



0.6375, 0.3189, 0.4702

Previews

White Background



This preview shows how the XYZ color 20.8829, 38.1625, 18.0698 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 20.8829, 38.1625, 18.0698 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 20.8829, 38.1625, 18.0698

Background



This preview shows how black text looks on a background with the XYZ color 20.8829, 38.1625, 18.0698.



This preview shows how white text looks on a background with the XYZ color 20.8829, 38.1625,

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

20.8829, 38.1625, 18.0698

Protanopia

34.3567, 37.4722, 15.0949

Deuteranopia

38.1694, 37.5210, 19.1405



Tritanopia

28.8441, 37.9604, 57.4366

Trichromacy



Original Color

20.8829, 38.1625, 18.0698



Protanomaly

24.1821, 34.7073, 15.7806



Deuteranomaly

25.4776, 34.1845, 18.3522



Tritanomaly

24.6124, 37.3999, 39.1794

Monochromacy



Original Color

20.8829, 38.1625, 18.0698



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

16.7691, 24.0144, 19.6710

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8829, 38.1625, 18.0698 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, 99)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 99)  
}
```

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, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 99) }
```

Border

The CSS property to change the border of an element to XYZ 20.8829, 38.1625, 18.0698 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, 99) }
```


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

```
.border{ border-color:rgb(0, 191, 99) }
```

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, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 99);  
box-shadow:4px 4px 4px 4px rgb(0, 191, 99)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.8829, 38.1625, 18.0698 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, 99) }
```

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

```
.background{ background-color: rgb(0, 191,  
99) }
```

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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