

Converting Colors

XYZ(20.2849, 37.6885, 18.5808)

Have a look what the booklet for
XYZ(20.2849, 37.6885, 18.5808)
contains.

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Color

**XYZ(20.9798, 38.2012,
18.5797)**

Conversions

Conversions Part 1

Format	Color
Hex	00BF65
RGB	0, 191, 101
RGB Percent	0%, 75%, 40%
CMY	0.9999, 0.2510, 0.6039
CMYK	1.00, 0.00, 0.47, 0.25
HSL	152°, 100%, 37%
HSV	152°, 100%, 75%
XYZ	20.9798, 38.2012, 18.5797
YIQ	123.6310, -84.9460, -68.4820

Conversions

Conversions Part 2

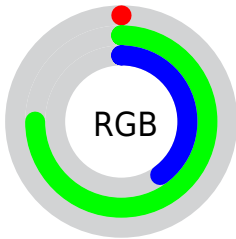
Format	Color
RYB	0, 125, 191
Decimal	48997
CIELab	68.17, -60.62, 34.19
CIELCh	68, 69.597, 150.580
Yxy	38.2012, 0.2698, 0.4913
Android (android.graphics.Color)	4278239077 (0xFF00BF65)
YUV	123.6310, -11.1571, -108.4244
Hunter-Lab	61.8071, -47.5724, 25.4419

Details

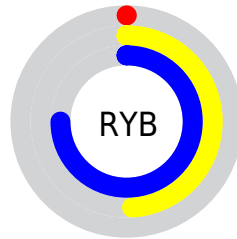
The XYZ color **20.9798, 38.2012, 18.5797** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **23.3329, 11.8155, 10.7270**, and the grayscale version is **19.0935, 20.0878, 21.8756**.

A 20% lighter version of the original color is **44.6625, 72.6479, 41.8055**, and **9.4240, 17.8563, 6.1987** is the 20% darker color. If you saturate the color by 10%, you get **20.9803, 38.2025, 18.5789**, and if you desaturate by 10%, it is **21.7169, 38.5285, 21.0449**.

Distribution



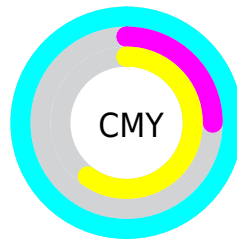
- Red (0%)
- Green (75%)
- Blue (40%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (47%)
- Black (25%)



- Cyan (100%)
- Magenta (25%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9798, 38.2012, 18.5797 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 20.9798, 38.2012, 18.5797 by changing the saturation by 10% instead.

■ 20.9798, 38.2012,
18.5797

■ 20.9798, 38.2012,
18.5797

249.9049,
338.4823, 256.4635

■ 13.2216, 26.1389,
11.1932

■ 44.5454, 72.4164,
41.8499

■ 7.6594, 16.9276,
6.0812

■ 61.0836, 95.3381,
58.5707

■ 3.9277, 10.1829,
2.8249

■ 81.2791, 122.6484,
79.2400

■ 1.6613, 5.5204,
1.0059

■ 105.4974,
154.7316, 104.2764

■ 0.4319, 2.5557,
0.0000

■ 134.1038,
191.9723, 134.0984

■ 0.0000, 0.9044,
0.0000

■ 167.4636,

■ 0.0000, 0.0000,

234.7546, 169.1245

0.0000

205.9421,
283.4632, 209.7734

■ 20.9798, 38.2012,
18.5797

■ 20.9798, 38.2012,
18.5797

■ 20.9803, 38.2025,
18.5789

■ 21.7169, 38.5285,
21.0449

■ 22.7688, 39.0112,
23.7838

■ 24.2334, 39.7008,
26.8094

■ 26.1608, 40.6229,
30.1311

■ 28.5933, 41.7991,
33.7576

■ 31.5683, 43.2486,
37.6973

■ 35.1193, 44.9887,
41.9582

■ 39.2774, 47.0349,
46.5479

■ 44.0709, 49.4020,
51.4736

Harmonies

Analogous

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



26.6822, 38.2012, 8.4180



20.9798, 38.2012, 18.5797



19.1661, 38.2012, 42.2032

Triad

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



20.9798, 38.2012, 18.5797



36.5210, 38.2012, 134.7209



57.4335, 38.2012, 17.9734

Complementary

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



20.9798, 38.2012, 18.5797



23.3329, 11.8155, 10.7270

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.



61.4684, 38.2012, 40.9919



20.9798, 38.2012, 18.5797



48.0109, 38.2012, 117.3160

Square

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



20.9798, 38.2012, 18.5797



26.9816, 38.2012, 118.5292



57.7211, 38.2012, 78.4596



47.5710, 38.2012, 8.2109

Rectangle

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



20.9798, 38.2012, 18.5797



20.0496, 38.2012, 66.3762



57.7211, 38.2012, 78.4596



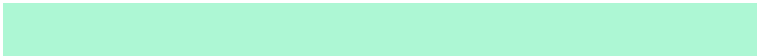
59.5951, 38.2012, 23.9055

Sweetspot

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



20.9808, 38.2027, 18.5806



62.5655, 80.4093, 74.7633



23.0778, 39.5552, 6.4190



13.1190, 17.3531, 15.6890



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.



20.9808, 38.2027, 18.5806



37.4504, 68.3688, 32.6209



27.3493, 39.6514, 55.5041



9.6139, 10.7317, 11.2161



13.8284, 25.1217, 12.4253



0.5745, 0.9972, 0.6595

Inverse Universe

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



23.3329, 11.8155, 10.7270



41.6664, 21.1119, 18.5732



21.5214, 11.1462, 1.0175



9.7123, 9.6092, 10.8738



15.3733, 7.7805, 7.2592



0.6352, 0.3180, 0.4585

Previews

White Background



This preview shows how the XYZ color 20.9798, 38.2012, 18.5797 looks on a white background.

Color Contrast Check

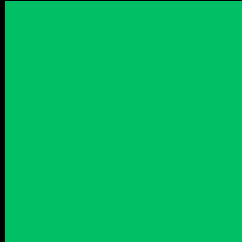
Large Text (above 18pt) WCAG AA × Fail

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 20.9798, 38.2012, 18.5797 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 20.9798, 38.2012, 18.5797

Background



This preview shows how black text looks on a background with the XYZ color 20.9798, 38.2012, 18.5797.



This preview shows how white text looks on a background with the XYZ color 20.9798, 38.2012,

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

20.9798, 38.2012, 18.5797

Protanopia

34.4430, 37.5067, 15.5494

Deuteranopia

38.2759, 37.5636, 19.7011



Tritanopia

28.8441, 37.9604, 57.4366

Trichromacy



Original Color

20.9798, 38.2012, 18.5797



Protanomaly

24.2718, 34.7432, 16.2533



Deuteranomaly

25.5804, 34.2257, 18.8937



Tritanomaly

24.7002, 37.4350, 39.6421

Monochromacy



Original Color

20.9798, 38.2012, 18.5797



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

16.9667, 24.1030, 20.2811

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9798, 38.2012, 18.5797 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, 101)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 101)  
}
```

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, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 101) }
```

Border

The CSS property to change the border of an element to XYZ 20.9798, 38.2012, 18.5797 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, 101) }
```


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

```
.border{ border-color:rgb(0, 191, 101) }
```

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, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 101);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9798, 38.2012, 18.5797 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, 101) }
```

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

```
.background{ background-color: rgb(0, 191,  
101) }
```

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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