

Converting Colors

XYZ(21.2460, 38.3954, 19.7098)

Have a look what the booklet for
XYZ(21.2460, 38.3954, 19.7098)
contains.

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Color

**XYZ(21.1806, 38.2815,
19.6373)**

Conversions

Conversions Part 1

Format	Color
Hex	00BF69
RGB	0, 191, 105
RGB Percent	0%, 75%, 41%
CMY	1.0000, 0.2510, 0.5882
CMYK	1.00, 0.00, 0.45, 0.25
HSL	153°, 100%, 37%
HSV	153°, 100%, 75%
XYZ	21.1806, 38.2815, 19.6373
YIQ	124.0870, -86.2300, -67.2380

Conversions

Conversions Part 2

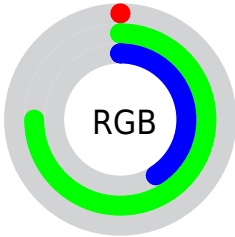
Format	Color
RYB	0, 123, 191
Decimal	49001
CIELab	68.23, -59.91, 32.22
CIELCh	68, 68.029, 151.729
Yxy	38.2815, 0.2678, 0.4840
Android (android.graphics.Color)	4278239081 (0xFF00BF69)
YUV	124.0870, -9.4099, -108.8243
Hunter-Lab	61.8720, -47.1703, 24.4926

Details

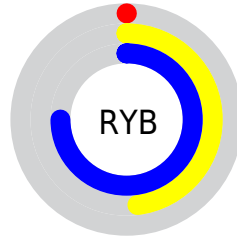
The XYZ color **21.1806, 38.2815, 19.6373** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **23.1670, 11.7491, 9.8537**, and the grayscale version is **19.2399, 20.2419, 22.0434**.

A 20% lighter version of the original color is **44.9985, 72.7824, 43.5750**, and **9.5180, 17.8938, 6.6936** is the 20% darker color. If you saturate the color by 10%, you get **21.1811, 38.2828, 19.6367**, and if you desaturate by 10%, it is **21.9170, 38.6085, 22.0984**.

Distribution



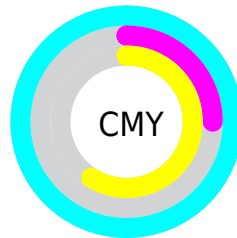
- Red (0%)
- Green (75%)
- Blue (41%)



- Red (0%)
- Yellow (48%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (45%)
- Black (25%)



- Cyan (100%)
- Magenta (25%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1806, 38.2815, 19.6373 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 21.1806, 38.2815, 19.6373 by changing the saturation by 10% instead.

■ 21.1806, 38.2815,
19.6373

■ 21.1806, 38.2815,
19.6373

250.9503,
338.8260, 262.4838

■ 13.3693, 26.2012,
11.9502

■ 44.8769, 72.5394,
43.6592

■ 7.7621, 16.9743,
6.5877

■ 61.4926, 95.4858,
60.8311

■ 3.9936, 10.2161,
3.1311

■ 81.7739, 122.8231,
82.0017

■ 1.6985, 5.5425,
1.1620

■ 106.0860,
154.9356, 107.5895

■ 0.4553, 2.5689,
0.0000

■ 134.7944,
192.2078, 138.0130

■ 0.0000, 0.9111,
0.0000

■ 168.2643,

■ 0.0000, 0.0000,

235.0240, 173.6909

0.0000

206.8612,
283.7686, 215.0416

■ 21.1806, 38.2815,
19.6373

■ 21.1806, 38.2815,
19.6373

■ 21.1811, 38.2828,
19.6367

■ 21.9170, 38.6085,
22.0984

■ 22.9642, 39.0893,
24.8132

■ 24.4202, 39.7755,
27.7936

■ 26.3348, 40.6924,
31.0479

■ 28.7501, 41.8618,
34.5841

■ 31.7033, 43.3026,
38.4096

■ 35.2279, 45.0320,
42.5314

■ 39.3547, 47.0658,
46.9564

■ 44.1119, 49.4184,
51.6912

Harmonies

Analogous

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



26.6539, 38.2815, 9.0734



21.1806, 38.2815, 19.6373



19.5309, 38.2815, 43.4742

Triad

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



21.1806, 38.2815, 19.6373



37.0059, 38.2815, 131.9303



56.7026, 38.2815, 17.8418

Complementary

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



21.1806, 38.2815, 19.6373



23.1670, 11.7491, 9.8537

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.



60.8985, 38.2815, 39.9398



21.1806, 38.2815, 19.6373



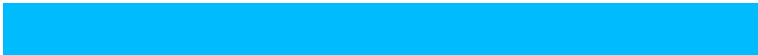
48.2370, 38.2815, 113.9951

Square

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



21.1806, 38.2815, 19.6373



27.5318, 38.2815, 117.4860



57.5360, 38.2815, 76.0395



46.9587, 38.2815, 8.4489

Rectangle

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



21.1806, 38.2815, 19.6373



20.5002, 38.2815, 67.3471



57.5360, 38.2815, 76.0395



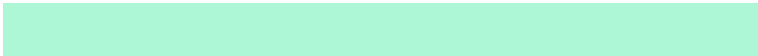
58.8855, 38.2815, 23.5391

Sweetspot

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



21.1816, 38.2830, 19.6382



62.7630, 80.4884, 75.8036



22.7650, 39.3939, 6.4043



13.1670, 17.3723, 15.9418



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.



21.1816, 38.2830, 19.6382



37.8098, 68.5126, 34.5133



26.6776, 38.3080, 55.2802



9.6223, 10.7350, 11.2605



13.9605, 25.1745, 13.1208



0.5794, 0.9991, 0.6853

Inverse Universe

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



23.1670, 11.7491, 9.8537



41.3715, 20.9939, 17.0202



21.5560, 11.2153, 1.0290



9.7039, 9.6059, 10.8299



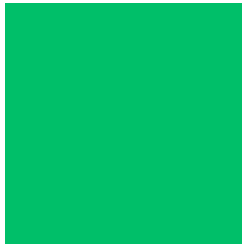
15.2637, 7.7366, 6.6822



0.6309, 0.3162, 0.4354

Previews

White Background



This preview shows how the XYZ color 21.1806, 38.2815, 19.6373 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 21.1806, 38.2815, 19.6373 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 21.1806, 38.2815, 19.6373

Background



This preview shows how black text looks on a background with the XYZ color 21.1806, 38.2815, 19.6373.



This preview shows how white text looks on a background with the XYZ color 21.1806, 38.2815,

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

21.1806, 38.2815, 19.6373

Protanopia

34.5767, 37.5602, 16.2539

Deuteranopia

38.2335, 37.5163, 20.8490



Tritanopia

28.9727, 38.3275, 57.5007

Trichromacy



Original Color

21.1806, 38.2815, 19.6373



Protanomaly

24.4584, 34.8178, 17.2358



Deuteranomaly

25.6466, 34.2352, 20.0082



Tritanomaly

24.9527, 37.8644, 40.1758

Monochromacy



Original Color

21.1806, 38.2815, 19.6373



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

17.0252, 24.1264, 20.5892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1806, 38.2815, 19.6373 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, 105)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 105)  
}
```

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, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 105) }
```

Border

The CSS property to change the border of an element to XYZ 21.1806, 38.2815, 19.6373 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, 105) }
```


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

```
.border{ border-color:rgb(0, 191, 105) }
```

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, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 105);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1806, 38.2815, 19.6373 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, 105) }
```

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

```
.background{ background-color: rgb(0, 191,  
105) }
```

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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