

Converting Colors

XYZ(21.3378, 38.4317, 20.1960)

Have a look what the booklet for
XYZ(21.3378, 38.4317, 20.1960)
contains.

XYZ(21.2846, 38.3231, 20.1852)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.2846, 38.3231,
20.1852)**

Conversions

Conversions Part 1

Format	Color
Hex	00BF6B
RGB	0, 191, 107
RGB Percent	0%, 75%, 42%
CMY	1.0000, 0.2510, 0.5804
CMYK	1.00, 0.00, 0.44, 0.25
HSL	154°, 100%, 37%
HSV	154°, 100%, 75%
XYZ	21.2846, 38.3231, 20.1852
YIQ	124.3150, -86.8720, -66.6160

Conversions

Conversions Part 2

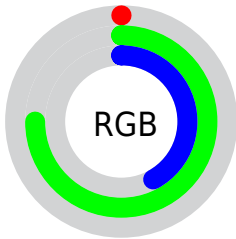
Format	Color
RYB	0, 122, 191
Decimal	49003
CIELab	68.26, -59.55, 31.23
CIELCh	68, 67.244, 152.324
Yxy	38.3231, 0.2667, 0.4803
Android (android.graphics.Color)	4278239083 (0xFF00BF6B)
YUV	124.3150, -8.5363, -109.0243
Hunter-Lab	61.9057, -46.9625, 24.0016

Details

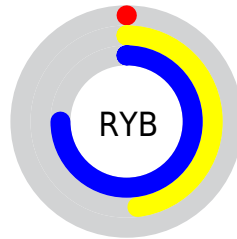
The XYZ color **21.2846, 38.3231, 20.1852** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **23.0874, 11.7172, 9.4343**, and the grayscale version is **19.3131, 20.3189, 22.1273**.

A 20% lighter version of the original color is **45.1707, 72.8512, 44.4818**, and **9.5679, 17.9138, 6.9564** is the 20% darker color. If you saturate the color by 10%, you get **21.2853, 38.3245, 20.1850**, and if you desaturate by 10%, it is **22.0199, 38.6496, 22.6410**.

Distribution



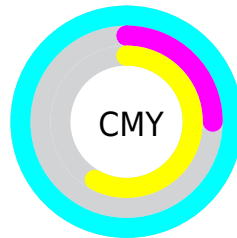
- Red (0%)
- Green (75%)
- Blue (42%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (44%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2846, 38.3231, 20.1852 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 21.2846, 38.3231, 20.1852 by changing the saturation by 10% instead.


 21.2846, 38.3231,
20.1852


 21.2846, 38.3231,
20.1852


251.4903,
339.0040, 265.5533


 13.4458, 26.2336,
12.3443


 45.0484, 72.6031,
44.5905


 7.8154, 16.9984,
6.8533


 61.7042, 95.5623,
61.9920


 4.0278, 10.2334,
3.2934


 82.0297, 122.9136,
83.4175

 1.7179, 5.5540,
1.2464

 106.3903,
155.0413, 109.2855

 0.4674, 2.5758,
0.0172

 135.1512,
192.3297, 140.0145

 0.0000, 0.9145,
0.0000

 168.6780,

 0.0000, 0.0000,

235.1634, 176.0231

0.0000

207.3359,
283.9267, 217.7299

■ 21.2846, 38.3231,
20.1852

■ 21.2846, 38.3231,
20.1852

■ 21.2853, 38.3245,
20.1850

■ 22.0199, 38.6496,
22.6410

■ 23.0642, 39.1293,
25.3407

■ 24.5154, 39.8135,
28.2956

■ 26.4230, 40.7277,
31.5138

■ 28.8292, 41.8934,
35.0025

■ 31.7711, 43.3297,
38.7689

■ 35.2821, 45.0537,
42.8196

■ 39.3929, 47.0810,
47.1611

■ 44.1317, 49.4262,
51.7996

Harmonies

Analogous

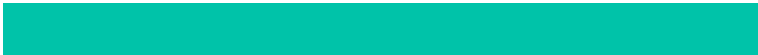
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



26.6422, 38.3231, 9.4176



21.2846, 38.3231, 20.1852



19.7183, 38.3231, 44.1211

Triad

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



21.2846, 38.3231, 20.1852



37.2515, 38.3231, 130.5303



56.3370, 38.3231, 17.7800

Complementary

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



21.2846, 38.3231, 20.1852



23.0874, 11.7172, 9.4343

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.



60.6116, 38.3231, 39.4217



21.2846, 38.3231, 20.1852



48.3498, 38.3231, 112.3434

Square

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



21.2846, 38.3231, 20.1852



27.8124, 38.3231, 116.9520



57.4412, 38.3231, 74.8423



46.6539, 38.3231, 8.5732

Rectangle

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



21.2846, 38.3231, 20.1852



20.7314, 38.3231, 67.8336



57.4412, 38.3231, 74.8423



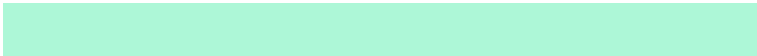
58.5299, 38.3231, 23.3606

Sweetspot

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



21.2856, 38.3246, 20.1861



62.8626, 80.5282, 76.3278



22.4653, 39.2394, 6.3902



13.1912, 17.3820, 16.0693



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.



21.2856, 38.3246, 20.1861



37.9963, 68.5871, 35.4952



26.0207, 36.9943, 55.0612



9.6265, 10.7367, 11.2827



14.0289, 25.2019, 13.4810



0.5819, 1.0001, 0.6985

Inverse Universe

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



23.0874, 11.7172, 9.4343



41.2302, 20.9374, 16.2761



21.5905, 11.2843, 1.0404



9.6998, 9.6042, 10.8080



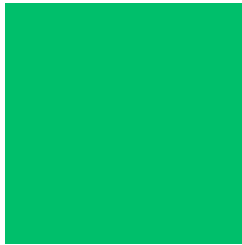
15.2111, 7.7156, 6.4050



0.6287, 0.3154, 0.4242

Previews

White Background



This preview shows how the XYZ color 21.2846, 38.3231, 20.1852 looks on a white background.

Color Contrast Check

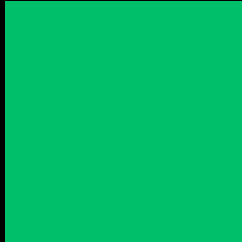
Large Text (above 18pt) WCAG AA × Fail

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 21.2846, 38.3231, 20.1852 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 21.2846, 38.3231, 20.1852

Background



This preview shows how black text looks on a background with the XYZ color 21.2846, 38.3231, 20.1852.

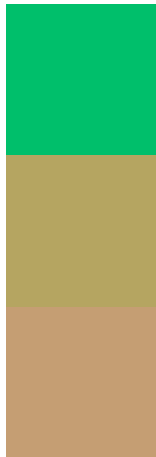


This preview shows how white text looks on a background with the XYZ color 21.2846, 38.3231,

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

21.2846, 38.3231, 20.1852

Protanopia

34.6689, 37.5971, 16.7390

Deuteranopia

38.3473, 37.5618, 21.4487



Tritanopia

28.9727, 38.3275, 57.5007

Trichromacy



Original Color

21.2846, 38.3231, 20.1852



Protanomaly

24.5552, 34.8565, 17.7457



Deuteranomaly

25.7568, 34.2793, 20.5883



Tritanomaly

25.0420, 37.9002, 40.6459

Monochromacy



Original Color

21.2846, 38.3231, 20.1852



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

17.0844, 24.1501, 20.9005

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2846, 38.3231, 20.1852 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, 107)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 107)  
}
```

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, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 107) }
```

Border

The CSS property to change the border of an element to XYZ 21.2846, 38.3231, 20.1852 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, 107) }
```


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

```
.border{ border-color:rgb(0, 191, 107) }
```

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, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 191, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 191, 107); box-shadow:4px 4px 4px 4px rgb(0, 191, 107) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2846, 38.3231, 20.1852 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, 107) }
```

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

```
.background{ background-color: rgb(0, 191,  
107) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor