

Converting Colors

XYZ(21.6034, 38.5380, 21.5948)

Have a look what the booklet for
XYZ(21.6034, 38.5380, 21.5948)
contains.

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Color

**XYZ(21.5554, 38.4315,
21.6112)**

Conversions

Conversions Part 1

Format	Color
Hex	00BF70
RGB	0, 191, 112
RGB Percent	0%, 75%, 44%
CMY	1.0000, 0.2510, 0.5608
CMYK	1.00, 0.00, 0.41, 0.25
HSL	155°, 100%, 37%
HSV	155°, 100%, 75%
XYZ	21.5554, 38.4315, 21.6112
YIQ	124.8850, -88.4770, -65.0610

Conversions

Conversions Part 2

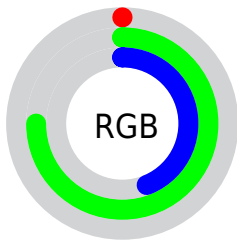
Format	Color
RYB	0, 120, 191
Decimal	49008
CIELab	68.34, -58.61, 28.75
CIELCh	68, 65.280, 153.874
Yxy	38.4315, 0.2642, 0.4710
Android (android.graphics.Color)	4278239088 (0xFF00BF70)
YUV	124.8850, -6.3523, -109.5241
Hunter-Lab	61.9931, -46.4224, 22.7263

Details

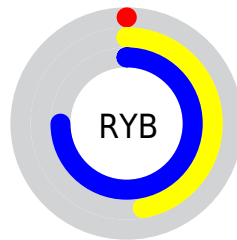
The XYZ color **21.5554, 38.4315, 21.6112** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **22.8983, 11.6416, 8.4387**, and the grayscale version is **19.4975, 20.5129, 22.3385**.

A 20% lighter version of the original color is **45.6135, 73.0284, 46.8138**, and **9.7014, 17.9672, 7.6593** is the 20% darker color. If you saturate the color by 10%, you get **21.5562, 38.4329, 21.6114**, and if you desaturate by 10%, it is **22.2864, 38.7563, 24.0444**.

Distribution



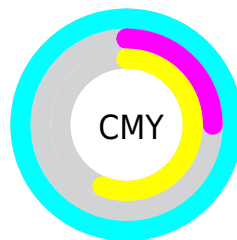
- Red (0%)
- Green (75%)
- Blue (44%)



- Red (0%)
- Yellow (47%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (41%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.5554, 38.4315, 21.6112 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 21.5554, 38.4315, 21.6112 by changing the saturation by 10% instead.


 21.5554, 38.4315,
21.6112


 21.5554, 38.4315,
21.6112


252.8918,
339.4674, 273.3960


 13.6454, 26.3178,
13.3759


 45.4944, 72.7690,
46.9965


 7.9545, 17.0615,
7.5542

 62.2541, 95.7616,
64.9835

 4.1174, 10.2784,
3.7274


 82.6943, 123.1493,
87.0583

 1.7688, 5.5839,
1.4770

 107.1805,
155.3164, 113.6392

 0.4987, 2.5938,
0.2007

 136.0780,
192.6474, 145.1450

 0.0000, 0.9235,
0.0000

 169.7522,

 0.0000, 0.0000,

235.5266, 181.9940

0.0000

208.5683,
284.3385, 224.6048

■ 21.5554, 38.4315,
21.6112

■ 21.5554, 38.4315,
21.6112

■ 21.5562, 38.4329,
21.6114

■ 22.2864, 38.7563,
24.0444

■ 23.3218, 39.2324,
26.6976

■ 24.7593, 39.9112,
29.5809

■ 26.6483, 40.8179,
32.7012

■ 29.0307, 41.9741,
36.0650

■ 31.9435, 43.3987,
39.6784

■ 35.4199, 45.1088,
43.5472

■ 39.4904, 47.1200,
47.6769

■ 44.1831, 49.4468,
52.0729

Harmonies

Analogous

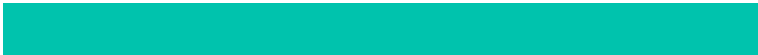
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



26.6208, 38.4315, 10.3275



21.5554, 38.4315, 21.6112



20.2019, 38.4315, 45.7701

Triad

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



21.5554, 38.4315, 21.6112



37.8738, 38.4315, 127.0212



55.4235, 38.4315, 17.6375

Complementary

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



21.5554, 38.4315, 21.6112



22.8983, 11.6416, 8.4387

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.



59.8894, 38.4315, 38.1517



21.5554, 38.4315, 21.6112



48.6308, 38.4315, 108.2457

Square

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



21.5554, 38.4315, 21.6112



28.5298, 38.4315, 115.5813



57.1978, 38.4315, 71.8915



45.8966, 38.4315, 8.9005

Rectangle

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



21.5554, 38.4315, 21.6112



21.3263, 38.4315, 69.0510



57.1978, 38.4315, 71.8915



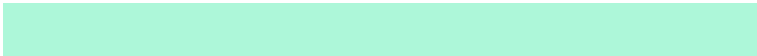
57.6396, 38.4315, 22.9290

Sweetspot

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



21.5564, 38.4330, 21.6121



63.1134, 80.6285, 77.6484



21.9052, 38.9507, 6.3639



13.2523, 17.4064, 16.3911



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.



21.5564, 38.4330, 21.6121



38.4818, 68.7814, 38.0522



24.7513, 34.4556, 54.6383



9.6371, 10.7409, 11.3383



14.2067, 25.2730, 14.4172



0.5883, 1.0027, 0.7324

Inverse Universe

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



22.8983, 11.6416, 8.4387



40.8950, 20.8033, 14.5111



21.6709, 11.4451, 1.0671



9.6894, 9.6001, 10.7534



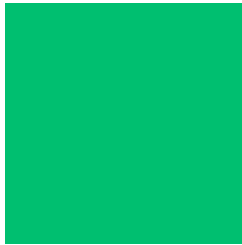
15.0858, 7.6655, 5.7455



0.6236, 0.3133, 0.3969

Previews

White Background



This preview shows how the XYZ color 21.5554, 38.4315, 21.6112 looks on a white background.

Color Contrast Check

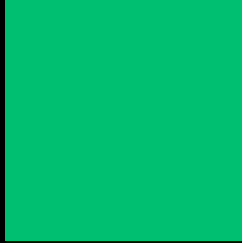
Large Text (above 18pt) WCAG AA × Fail

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 21.5554, 38.4315, 21.6112 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 21.5554, 38.4315, 21.6112

Background



This preview shows how black text looks on a background with the XYZ color 21.5554, 38.4315, 21.6112.



This preview shows how white text looks on a background with the XYZ color 21.5554, 38.4315,

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

21.5554, 38.4315, 21.6112

Protanopia

34.9095, 37.6933, 18.0060

Deuteranopia

38.3820, 37.5455, 22.9934



Tritanopia

29.0135, 38.3354, 58.0948

Trichromacy



Original Color

21.5554, 38.4315, 21.6112



Protanomaly

24.8078, 34.9575, 19.0756



Deuteranomaly

26.0431, 34.3938, 22.0957



Tritanomaly

25.2227, 37.9724, 41.5973

Monochromacy



Original Color

21.5554, 38.4315, 21.6112



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

17.4459, 24.5564, 21.5897

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5554, 38.4315, 21.6112 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, 112)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 112)  
}
```

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, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 112) }
```

Border

The CSS property to change the border of an element to XYZ 21.5554, 38.4315, 21.6112 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, 112) }
```


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

```
.border{ border-color:rgb(0, 191, 112) }
```

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, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 112);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5554, 38.4315, 21.6112 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, 112) }
```

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

```
.background{ background-color: rgb(0, 191,  
112) }
```

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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