

Converting Colors

XYZ(21.4133, 38.4622, 20.5908)

Have a look what the booklet for
XYZ(21.4133, 38.4622, 20.5908)
contains.

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Color

**XYZ(21.3376, 38.3443,
20.4639)**

Conversions

Conversions Part 1

Format	Color
Hex	00BF6C
RGB	0, 191, 108
RGB Percent	0%, 75%, 42%
CMY	0.9999, 0.2510, 0.5765
CMYK	1.00, 0.00, 0.43, 0.25
HSL	154°, 100%, 37%
HSV	154°, 100%, 75%
XYZ	21.3376, 38.3443, 20.4639
YIQ	124.4290, -87.1930, -66.3050

Conversions

Conversions Part 2

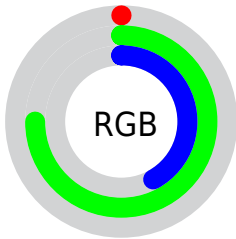
Format	Color
RYB	0, 122, 191
Decimal	49004
CIELab	68.27, -59.37, 30.74
CIELCh	68, 66.851, 152.626
Yxy	38.3443, 0.2662, 0.4784
Android (android.graphics.Color)	4278239084 (0xFF00BF6C)
YUV	124.4290, -8.0995, -109.1242
Hunter-Lab	61.9228, -46.8566, 23.7521

Details

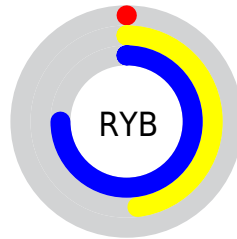
The XYZ color **21.3376, 38.3443, 20.4639** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **23.0488, 11.7019, 9.2308**, and the grayscale version is **19.3506, 20.3583, 22.1702**.

A 20% lighter version of the original color is **45.2578, 72.8861, 44.9408**, and **9.5936, 17.9241, 7.0917** is the 20% darker color. If you saturate the color by 10%, you get **21.3380, 38.3456, 20.4629**, and if you desaturate by 10%, it is **22.0724, 38.6706, 22.9164**.

Distribution



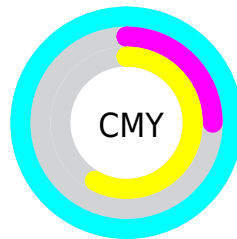
- Red (0%)
- Green (75%)
- Blue (42%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (43%)
- Black (25%)




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

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.3376, 38.3443, 20.4639 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 21.3376, 38.3443, 20.4639 by changing the saturation by 10% instead.


 21.3376, 38.3443,
20.4639


 21.3376, 38.3443,
20.4639


251.7651,
339.0946, 267.1023


 13.4849, 26.2500,
12.5453


 45.1358, 72.6356,
45.0627


 7.8426, 17.0108,
6.9892


 61.8119, 95.6013,
62.5800


 4.0453, 10.2422,
3.3770


 82.1599, 122.9597,
84.1340

 1.7278, 5.5598,
1.2902

 106.5451,
155.0951, 110.1431

 0.4736, 2.5793,
0.0537

 135.3329,
192.3919, 141.0260

 0.0000, 0.9163,
0.0000

 168.8886,

 0.0000, 0.0000,

235.2345, 177.2011

0.0000

207.5776,
284.0073, 219.0871

■ 21.3376, 38.3443,
20.4639

■ 21.3376, 38.3443,
20.4639

■ 21.3380, 38.3456,
20.4629

■ 22.0724, 38.6706,
22.9164

■ 23.1152, 39.1497,
25.6079

■ 24.5640, 39.8330,
28.5496

■ 26.4682, 40.7458,
31.7492

■ 28.8700, 41.9098,
35.2138

■ 31.8064, 43.3439,
38.9505

■ 35.3109, 45.0653,
42.9655

■ 39.4139, 47.0895,
47.2653

■ 44.1438, 49.4312,
51.8557

Harmonies

Analogous

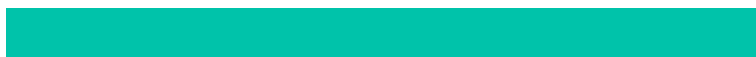
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



26.6371, 38.3443, 9.5939



21.3376, 38.3443, 20.4639



19.8134, 38.3443, 44.4471

Triad

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



21.3376, 38.3443, 20.4639



37.3749, 38.3443, 129.8290



56.1542, 38.3443, 17.7502

Complementary

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



21.3376, 38.3443, 20.4639



23.0488, 11.7019, 9.2308

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.



60.4676, 38.3443, 39.1650



21.3376, 38.3443, 20.4639



48.4060, 38.3443, 111.5201

Square

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



21.3376, 38.3443, 20.4639



27.9541, 38.3443, 116.6814



57.3932, 38.3443, 74.2475



46.5019, 38.3443, 8.6369

Rectangle

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



21.3376, 38.3443, 20.4639



20.8484, 38.3443, 68.0767



57.3932, 38.3443, 74.2475



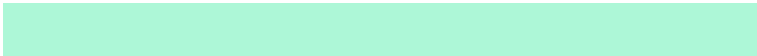
58.3519, 38.3443, 23.2728

Sweetspot

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



21.3386, 38.3458, 20.4648



62.9123, 80.5481, 76.5898



22.4656, 39.2395, 6.3904



13.2033, 17.3868, 16.1331



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.



21.3386, 38.3458, 20.4648



38.0908, 68.6250, 35.9931



26.0208, 36.9944, 55.0612



9.6286, 10.7376, 11.2937



14.0636, 25.2157, 13.6635



0.5832, 1.0006, 0.7052

Inverse Universe

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



23.0488, 11.7019, 9.2308



41.1613, 20.9098, 15.9135



21.5906, 11.2844, 1.0406



9.6977, 9.6034, 10.7971



15.1854, 7.7053, 6.2698



0.6277, 0.3150, 0.4187

Previews

White Background



This preview shows how the XYZ color 21.3376, 38.3443, 20.4639 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 21.3376, 38.3443, 20.4639 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 21.3376, 38.3443, 20.4639

Background



This preview shows how black text looks on a background with the XYZ color 21.3376, 38.3443, 20.4639.



This preview shows how white text looks on a background with the XYZ color 21.3376, 38.3443,

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

21.3376, 38.3443, 20.4639

Protanopia

34.7158, 37.6159, 16.9861

Deuteranopia

38.4052, 37.5850, 21.7535



Tritanopia

29.0862, 38.3729, 58.0983

Trichromacy



Original Color

21.3376, 38.3443, 20.4639



Protanomaly

24.6046, 34.8763, 18.0054



Deuteranomaly

25.8128, 34.3017, 20.8832



Tritanomaly

25.1320, 37.9361, 41.1198

Monochromacy



Original Color

21.3376, 38.3443, 20.4639



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 21.3376, 38.3443, 20.4639 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, 108)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 108)  
}
```

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, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 108) }
```

Border

The CSS property to change the border of an element to XYZ 21.3376, 38.3443, 20.4639 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, 108) }
```


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

```
.border{ border-color:rgb(0, 191, 108) }
```

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, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 108);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3376, 38.3443, 20.4639 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, 108) }
```

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

```
.background{ background-color: rgb(0, 191,  
108) }
```

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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