

Converting Colors

XYZ(21.4658, 38.4827, 20.8681)

Have a look what the booklet for
XYZ(21.4658, 38.4827, 20.8681)
contains.

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Color

**XYZ(21.3911, 38.3657,
20.7459)**

Conversions

Conversions Part 1

Format	Color
Hex	00BF6D
RGB	0, 191, 109
RGB Percent	0%, 75%, 43%
CMY	1.0000, 0.2510, 0.5725
CMYK	1.00, 0.00, 0.43, 0.25
HSL	154°, 100%, 37%
HSV	154°, 100%, 75%
XYZ	21.3911, 38.3657, 20.7459
YIQ	124.5430, -87.5140, -65.9940

Conversions

Conversions Part 2

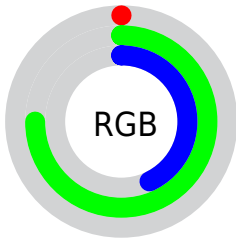
Format	Color
RYB	0, 122, 191
Decimal	49005
CIELab	68.29, -59.18, 30.24
CIElCh	68, 66.458, 152.933
Yxy	38.3657, 0.2657, 0.4766
Android (android.graphics.Color)	4278239085 (0xFF00BF6D)
YUV	124.5430, -7.6627, -109.2242
Hunter-Lab	61.9401, -46.7498, 23.4997

Details

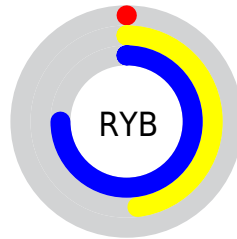
The XYZ color **21.3911, 38.3657, 20.7459** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **23.0102, 11.6864, 9.0280**, and the grayscale version is **19.3871, 20.3967, 22.2120**.

A 20% lighter version of the original color is **45.3457, 72.9212, 45.4035**, and **9.6198, 17.9346, 7.2297** is the 20% darker color. If you saturate the color by 10%, you get **21.3917, 38.3671, 20.7454**, and if you desaturate by 10%, it is **22.1251, 38.6917, 23.1944**.

Distribution



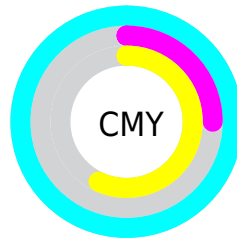
- Red (0%)
- Green (75%)
- Blue (43%)



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



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





- Cyan (100%)
- Magenta (25%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3911, 38.3657, 20.7459 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 21.3911, 38.3657, 20.7459 by changing the saturation by 10% instead.


 21.3911, 38.3657,
20.7459


 21.3911, 38.3657,
20.7459


252.0423,
339.1861, 268.6615


 13.5243, 26.2666,
12.7490


 45.2239, 72.6683,
45.5395


 7.8700, 17.0232,
7.1272


 61.9206, 95.6407,
63.1733


 4.0630, 10.2511,
3.4621


 82.2913, 123.0062,
84.8565

 1.7378, 5.5657,
1.3352

 106.7014,
155.1494, 111.0075

 0.4798, 2.5829,
0.0904

 135.5162,
192.4546, 142.0450

 0.0000, 0.9181,
0.0000

 169.1010,

 0.0000, 0.0000,

235.3062, 178.3875

0.0000

207.8213,
284.0886, 220.4535

■ 21.3911, 38.3657,
20.7459

■ 21.3911, 38.3657,
20.7459

■ 21.3917, 38.3671,
20.7454

■ 22.1251, 38.6917,
23.1944

■ 23.1662, 39.1701,
25.8770

■ 24.6122, 39.8523,
28.8048

■ 26.5127, 40.7636,
31.9851

■ 28.9097, 41.9256,
35.4251

■ 31.8402, 43.3574,
39.1313

■ 35.3377, 45.0759,
43.1101

■ 39.4325, 47.0969,
47.3676

■ 44.1531, 49.4348,
51.9095

Harmonies

Analogous

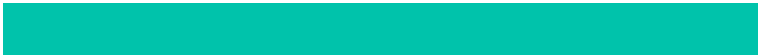
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



26.6324, 38.3657, 9.7730



21.3911, 38.3657, 20.7459



19.9092, 38.3657, 44.7753

Triad

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



21.3911, 38.3657, 20.7459



37.4990, 38.3657, 129.1276



55.9714, 38.3657, 17.7210

Complementary

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



21.3911, 38.3657, 20.7459



23.0102, 11.6864, 9.0280

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.



60.3234, 38.3657, 38.9094



21.3911, 38.3657, 20.7459



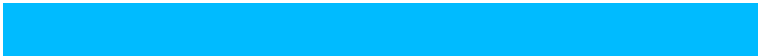
48.4623, 38.3657, 110.6985

Square

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



21.3911, 38.3657, 20.7459



28.0967, 38.3657, 116.4094



57.3449, 38.3657, 73.6546



46.3501, 38.3657, 8.7014

Rectangle

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



21.3911, 38.3657, 20.7459



20.9664, 38.3657, 68.3203



57.3449, 38.3657, 73.6546



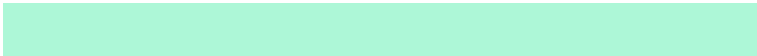
58.1738, 38.3657, 23.1855

Sweetspot

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



21.3921, 38.3672, 20.7468



62.9625, 80.5681, 76.8538



22.1790, 39.0918, 6.3768



13.2155, 17.3917, 16.1974



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.



21.3921, 38.3672, 20.7468



38.1870, 68.6634, 36.4995



25.3787, 35.7103, 54.8472



9.6307, 10.7384, 11.3049



14.0988, 25.2298, 13.8490



0.5844, 1.0011, 0.7119

Inverse Universe

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



23.0102, 11.6864, 9.0280



41.0931, 20.8826, 15.5545



21.6274, 11.3581, 1.0528



9.6956, 9.6025, 10.7861



15.1599, 7.6951, 6.1358



0.6266, 0.3145, 0.4131

Previews

White Background



This preview shows how the XYZ color 21.3911, 38.3657, 20.7459 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 21.3911, 38.3657, 20.7459 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 21.3911, 38.3657, 20.7459

Background



This preview shows how black text looks on a background with the XYZ color 21.3911, 38.3657, 20.7459.



This preview shows how white text looks on a background with the XYZ color 21.3911, 38.3657,

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

21.3911, 38.3657, 20.7459

Protanopia

34.7633, 37.6349, 17.2364

Deuteranopia

38.4637, 37.6084, 22.0615



Tritanopia

29.0862, 38.3729, 58.0983

Trichromacy



Original Color

21.3911, 38.3657, 20.7459



Protanomaly

24.6545, 34.8962, 18.2682



Deuteranomaly

25.8694, 34.3243, 21.1814



Tritanomaly

25.1320, 37.9361, 41.1198

Monochromacy



Original Color

21.3911, 38.3657, 20.7459



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

17.3855, 24.5323, 21.2717

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3911, 38.3657, 20.7459 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, 109)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 109)  
}
```

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, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 109) }
```

Border

The CSS property to change the border of an element to XYZ 21.3911, 38.3657, 20.7459 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, 109) }
```


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

```
.border{ border-color:rgb(0, 191, 109) }
```

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, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 109);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3911, 38.3657, 20.7459 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, 109) }
```

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

```
.background{ background-color: rgb(0, 191,  
109) }
```

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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