

Converting Colors

XYZ(19.9321, 37.5052, 21.2976)

Have a look what the booklet for
XYZ(19.9321, 37.5052, 21.2976)
contains.

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Color

**XYZ(21.5000, 38.4093,
21.3195)**

Conversions

Conversions Part 1

Format	Color
Hex	00BF6F
RGB	0, 191, 111
RGB Percent	0%, 75%, 44%
CMY	1.0000, 0.2510, 0.5647
CMYK	1.00, 0.00, 0.42, 0.25
HSL	155°, 100%, 37%
HSV	155°, 100%, 75%
XYZ	21.5000, 38.4093, 21.3195
YIQ	124.7710, -88.1560, -65.3720

Conversions

Conversions Part 2

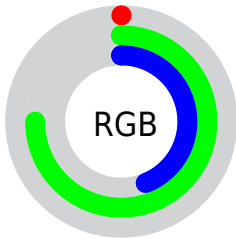
Format	Color
RYB	0, 121, 191
Decimal	49007
CIELab	68.32, -58.80, 29.24
CIElCh	68, 65.673, 153.557
Yxy	38.4093, 0.2647, 0.4729
Android (android.graphics.Color)	4278239087 (0xFF00BF6F)
YUV	124.7710, -6.7891, -109.4242
Hunter-Lab	61.9752, -46.5327, 22.9869

Details

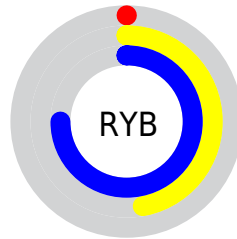
The XYZ color **21.5000, 38.4093, 21.3195** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **22.9350, 11.6563, 8.6321**, and the grayscale version is **19.4606, 20.4740, 22.2962**.

A 20% lighter version of the original color is **45.5235, 72.9924, 46.3399**, and **9.6737, 17.9561, 7.5135** is the 20% darker color. If you saturate the color by 10%, you get **21.5007, 38.4107, 21.3195**, and if you desaturate by 10%, it is **22.2321, 38.7346, 23.7584**.

Distribution



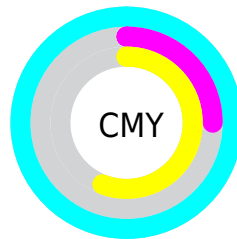
- Red (0%)
- Green (75%)
- Blue (44%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (25%)



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

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.5000, 38.4093, 21.3195 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 21.5000, 38.4093, 21.3195 by changing the saturation by 10% instead.


 21.5000, 38.4093,
21.3195


 21.5000, 38.4093,
21.3195


252.6056,
339.3725, 271.8082


 13.6045, 26.3005,
13.1642


 45.4032, 72.7351,
46.5063


 7.9260, 17.0486,
7.4097


 62.1417, 95.7208,
64.3750

 4.0990, 10.2691,
3.6373


 82.5585, 123.1010,
86.3185

 1.7583, 5.5778,
1.4286

 107.0191,
155.2601, 112.7555

 0.4924, 2.5901,
0.1638

 135.8887,
192.5823, 144.1044

 0.0000, 0.9217,
0.0000

 169.5328,

 0.0000, 0.0000,

235.4522, 180.7838

0.0000

208.3166,
284.2542, 223.2122

■ 21.5000, 38.4093,
21.3195

■ 21.5000, 38.4093,
21.3195

■ 21.5007, 38.4107,
21.3195

■ 22.2321, 38.7346,
23.7584

■ 23.2695, 39.2115,
26.4219

■ 24.7099, 39.8914,
29.3204

■ 26.6028, 40.7996,
32.4611

■ 28.9901, 41.9578,
35.8507

■ 31.9089, 43.3848,
39.4954

■ 35.3923, 45.0978,
43.4011

■ 39.4710, 47.1122,
47.5735

■ 44.1730, 49.4427,
52.0182

Harmonies

Analogous

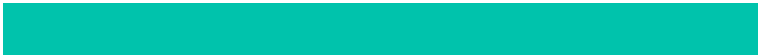
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



26.6242, 38.4093, 10.1397



21.5000, 38.4093, 21.3195



20.1035, 38.4093, 45.4367

Triad

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



21.5000, 38.4093, 21.3195



37.7484, 38.4093, 127.7236



55.6060, 38.4093, 17.6646

Complementary

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



21.5000, 38.4093, 21.3195



22.9350, 11.6563, 8.6321

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.



60.0343, 38.4093, 38.4028



21.5000, 38.4093, 21.3195



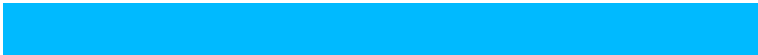
48.5747, 38.4093, 109.0613

Square

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



21.5000, 38.4093, 21.3195



28.3845, 38.4093, 115.8593



57.2472, 38.4093, 72.4767



46.0474, 38.4093, 8.8331

Rectangle

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



21.5000, 38.4093, 21.3195



21.2054, 38.4093, 68.8074



57.2472, 38.4093, 72.4767



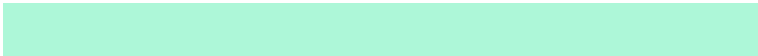
57.8177, 38.4093, 23.0136

Sweetspot

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



21.5010, 38.4108, 21.3204



63.0630, 80.6083, 77.3830



22.1788, 39.0917, 6.3767



13.2400, 17.4015, 16.3263



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.



21.5010, 38.4108, 21.3204



38.3824, 68.7416, 37.5287



25.3786, 35.7102, 54.8473



9.6350, 10.7401, 11.3272



14.1704, 25.2584, 14.2257



0.5870, 1.0022, 0.7255

Inverse Universe

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



22.9350, 11.6563, 8.6321



40.9600, 20.8293, 14.8536



21.6274, 11.3581, 1.0526



9.6915, 9.6009, 10.7643



15.1102, 7.6752, 5.8737



0.6246, 0.3137, 0.4023

Previews

White Background



This preview shows how the XYZ color 21.5000, 38.4093, 21.3195 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 21.5000, 38.4093, 21.3195 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 21.5000, 38.4093, 21.3195

Background



This preview shows how black text looks on a background with the XYZ color 21.5000, 38.4093, 21.3195.



This preview shows how white text looks on a background with the XYZ color 21.5000, 38.4093,

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

21.5000, 38.4093, 21.3195

Protanopia

34.8602, 37.6736, 17.7463

Deuteranopia

38.3216, 37.5214, 22.6754



Tritanopia

29.0135, 38.3354, 58.0948

Trichromacy



Original Color

21.5000, 38.4093, 21.3195



Protanomaly

24.7561, 34.9369, 18.8033



Deuteranomaly

25.9846, 34.3704, 21.7876



Tritanomaly

25.2227, 37.9724, 41.5973

Monochromacy



Original Color

21.5000, 38.4093, 21.3195



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 21.5000, 38.4093, 21.3195 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, 111)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 111)  
}
```

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, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 111) }
```

Border

The CSS property to change the border of an element to XYZ 21.5000, 38.4093, 21.3195 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, 111) }
```


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

```
.border{ border-color:rgb(0, 191, 111) }
```

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, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 111);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5000, 38.4093, 21.3195 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, 111) }
```

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

```
.background{ background-color: rgb(0, 191,  
111) }
```

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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