

Converting Colors

XYZ(22.0369, 39.8332, 20.4188)

Have a look what the booklet for
XYZ(22.0369, 39.8332, 20.4188)
contains.

XYZ(21.9456, 39.6451, 20.4055)	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(21.9456, 39.6451,
20.4055)**

Conversions

Conversions Part 1

Format	Color
Hex	00C26B
RGB	0, 194, 107
RGB Percent	0%, 76%, 42%
CMY	1.0000, 0.2392, 0.5804
CMYK	1.00, 0.00, 0.45, 0.24
HSL	153°, 100%, 38%
HSV	153°, 100%, 76%
XYZ	21.9456, 39.6451, 20.4055
YIQ	126.0760, -87.6970, -68.1850

Conversions

Conversions Part 2

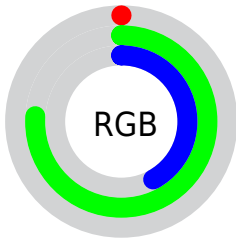
Format	Color
RYB	0, 125, 194
Decimal	49771
CIELab	69.22, -60.57, 32.47
CIELCh	69, 68.724, 151.804
Yxy	39.6451, 0.2676, 0.4835
Android (android.graphics.Color)	4278239851 (0xFF00C26B)
YUV	126.0760, -9.4045, -110.5687
Hunter-Lab	62.9644, -47.9732, 24.8603

Details

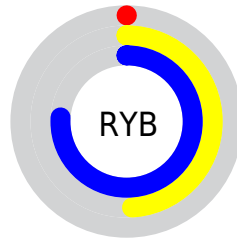
The XYZ color **21.9456, 39.6451, 20.4055** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **23.9698, 12.1583, 10.1025**, and the grayscale version is **19.9109, 20.9478, 22.8122**.

A 20% lighter version of the original color is **46.2140, 74.7767, 44.7985**, and **9.9963, 18.7707, 7.0992** is the 20% darker color. If you saturate the color by 10%, you get **21.9463, 39.6465, 20.4053**, and if you desaturate by 10%, it is **22.7043, 39.9817, 22.9531**.

Distribution



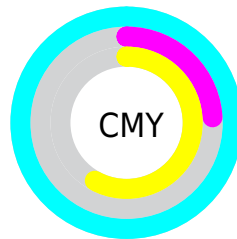
- Red (0%)
- Green (76%)
- Blue (42%)



- Red (0%)
- Yellow (49%)
- Blue (76%)



- Cyan (100%)
- Magenta (0%)
- Yellow (45%)
- Black (24%)




- Cyan (100%)
- Magenta (24%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.9456, 39.6451, 20.4055 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 21.9456, 39.6451, 20.4055 by changing the saturation by 10% instead.


 21.9456, 39.6451,
20.4055


 21.9456, 39.6451,
20.4055


254.8998,
344.6254, 266.7784


 13.9333, 27.2619,
12.5032


 46.1356, 74.6228,
44.9639


 8.1557, 17.7700,
6.9606


 63.0440, 97.9861,
62.4570

 4.2474, 10.7850,
3.3594


 83.6485, 125.7782,
83.9841

 1.8430, 5.9225,
1.2810

 108.3145,
158.3836, 109.9637

 0.5434, 2.7980,
0.0461

 137.4072,
196.1867, 140.8144

 0.0000, 1.0272,
0.0000

171.2921,

 0.0000, 0.0000,

239.5717, 176.9547

0.0000

210.3345,
288.9232, 218.8032

■ 21.9456, 39.6451,
20.4055

■ 21.9456, 39.6451,
20.4055

■ 21.9463, 39.6465,
20.4053

■ 22.7043, 39.9817,
22.9531

■ 23.7857, 40.4781,
25.7622

■ 25.2905, 41.1872,
28.8449

■ 27.2704, 42.1355,
32.2099

■ 29.7692, 43.3453,
35.8653

■ 32.8256, 44.8366,
39.8187

■ 36.4744, 46.6272,
44.0774

■ 40.7474, 48.7333,
48.6484

■ 45.6742, 51.1700,
53.5385

Harmonies

Analogous

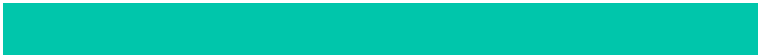
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



27.5979, 39.6451, 9.4401



21.9456, 39.6451, 20.4055



20.2483, 39.6451, 45.1015

Triad

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



21.9456, 39.6451, 20.4055



38.3511, 39.6451, 136.4268



58.6662, 39.6451, 18.4665

Complementary

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



21.9456, 39.6451, 20.4055



23.9698, 12.1583, 10.1025

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.



63.0214, 39.6451, 41.2881



21.9456, 39.6451, 20.4055



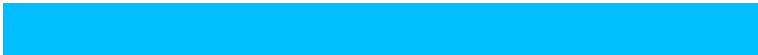
49.9633, 39.6451, 117.8215

Square

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



21.9456, 39.6451, 20.4055



28.5454, 39.6451, 121.5845



59.5650, 39.6451, 78.5789



48.5845, 39.6451, 8.7648

Rectangle

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



21.9456, 39.6451, 20.4055



21.2578, 39.6451, 69.8007



59.5650, 39.6451, 78.5789



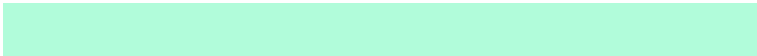
60.9279, 39.6451, 24.3505

Sweetspot

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



21.9466, 39.6467, 20.4064



65.7370, 84.3048, 79.4706



23.2517, 40.6261, 6.6164



13.7485, 18.1439, 16.6640



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.9466, 39.6467, 20.4064



39.6291, 71.7747, 36.2807



26.9417, 38.3025, 57.0140



10.1717, 11.3497, 11.9073



14.4703, 26.0822, 13.6357



0.6595, 1.1407, 0.7699

Inverse Universe

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



23.9698, 12.1583, 10.1025



43.3009, 21.9767, 17.6466



22.3544, 11.6806, 1.0766



10.2567, 10.1513, 11.4425



15.7987, 8.0092, 6.8522



0.7173, 0.3599, 0.4786

Previews

White Background



This preview shows how the XYZ color 21.9456, 39.6451, 20.4055 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 21.9456, 39.6451, 20.4055 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 21.9456, 39.6451, 20.4055

Background



This preview shows how black text looks on a background with the XYZ color 21.9456, 39.6451, 20.4055.



This preview shows how white text looks on a background with the XYZ color 21.9456, 39.6451,

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

21.9456, 39.6451, 20.4055

Protanopia

35.9275, 39.0587, 16.9548

Deuteranopia

39.4847, 38.6588, 21.6005



Tritanopia

30.0060, 39.7359, 59.5144

Trichromacy



Original Color

21.9456, 39.6451, 20.4055



Protanomaly

25.4072, 36.1658, 17.9535



Deuteranomaly

26.4296, 35.1869, 20.7280



Tritanomaly

25.9015, 39.2639, 41.8109

Monochromacy



Original Color

21.9456, 39.6451, 20.4055



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

17.7046, 25.1706, 21.3780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9456, 39.6451, 20.4055 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, 194, 107)` looks like.

```
.text, #text, p{  
    color:rgb(0, 194, 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, 194, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 194, 107) }
```

Border

The CSS property to change the border of an element to XYZ 21.9456, 39.6451, 20.4055 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, 194, 107) }
```


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

```
.border{ border-color:rgb(0, 194, 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, 194, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 194, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 194, 107);  
box-shadow:4px 4px 4px 4px rgb(0, 194,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9456, 39.6451, 20.4055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 194, 107) }
```

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

```
.background{ background-color: rgb(0, 194,  
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