

Converting Colors

XYZ(20.9154, 38.8781, 16.0747)

Have a look what the booklet for
XYZ(20.9154, 38.8781, 16.0747)
contains.

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Color

**XYZ(20.9154, 38.8781,
16.0747)**

Conversions

Conversions Part 1

Format	Color
Hex	00C15A
RGB	0, 193, 90
RGB Percent	0%, 76%, 35%
CMY	1.0000, 0.2431, 0.6470
CMYK	1.00, 0.00, 0.53, 0.24
HSL	148°, 100%, 38%
HSV	148°, 100%, 76%
XYZ	20.9154, 38.8781, 16.0747
YIQ	123.5510, -81.9650, -72.9490

Conversions

Conversions Part 2

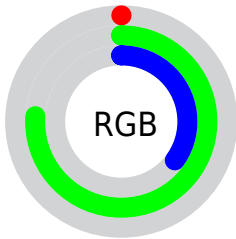
Format	Color
RYB	0, 132, 193
Decimal	49498
CIELab	68.66, -63.06, 40.27
CIELCh	69, 74.821, 147.441
Yxy	38.8781, 0.2757, 0.5124
Android (android.graphics.Color)	4278239578 (0xFF00C15A)
YUV	123.5510, -16.5406, -108.3542
Hunter-Lab	62.3523, -49.2407, 28.3614

Details

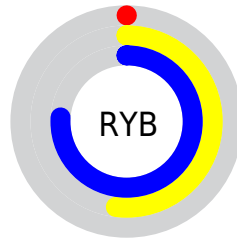
The XYZ color **20.9154, 38.8781, 16.0747** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **24.4418, 12.3174, 13.9230**, and the grayscale version is **19.0828, 20.0765, 21.8634**.

A 20% lighter version of the original color is **44.5253, 73.6000, 37.4507**, and **9.4715, 18.3302, 5.0464** is the 20% darker color. If you saturate the color by 10%, you get **20.9161, 38.8796, 16.0749**, and if you desaturate by 10%, it is **21.6602, 39.2089, 18.5601**.

Distribution



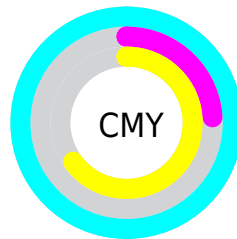
- Red (0%)
- Green (76%)
- Blue (35%)



- Red (0%)
- Yellow (52%)
- Blue (76%)



- Cyan (100%)
- Magenta (0%)
- Yellow (53%)
- Black (24%)





- Cyan (100%)
- Magenta (24%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.9154, 38.8781, 16.0747 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 20.9154, 38.8781, 16.0747 by changing the saturation by 10% instead.


 20.9154, 38.8781,
16.0747


 20.9154, 38.8781,
16.0747


249.5688,
341.3719, 241.6428


 13.1743, 26.6649,
9.4221

 44.4390, 73.4521,
37.4964

 7.6265, 17.3217,
4.9170


 60.9523, 96.5816,
53.1026


 3.9067, 10.4641,
2.1407


 81.1202, 124.1188,
72.5305

 1.6495, 5.7078,
0.6399

 105.3083,
156.4479, 96.1985

 0.4243, 2.6682,
0.0000

 133.8819,
193.9534, 124.5252

 0.0000, 0.9611,
0.0000

167.2062,

 0.0000, 0.0000,

237.0196, 157.9291

0.0000

205.6467,
286.0310, 196.8288

■ 20.9154, 38.8781,
16.0747

■ 20.9154, 38.8781,
16.0747

■ 20.9161, 38.8796,
16.0749

■ 21.6602, 39.2089,
18.5601

■ 22.7400, 39.7041,
21.3898

■ 24.2555, 40.4163,
24.5810

■ 26.2586, 41.3721,
28.1470

■ 28.7935, 42.5940,
32.1005

■ 31.8992, 44.1019,
36.4534

■ 35.6108, 45.9137,
41.2169

■ 39.9605, 48.0458,
46.4020

■ 44.9782, 50.5134,
52.0190

Harmonies

Analogous

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



27.4368, 38.8781, 6.8562



20.9154, 38.8781, 16.0747



18.5794, 38.8781, 39.4908

Triad

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



20.9154, 38.8781, 16.0747



35.9467, 38.8781, 146.3438



61.0174, 38.8781, 18.8621

Complementary

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



20.9154, 38.8781, 16.0747



24.4418, 12.3174, 13.9230

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.



64.6272, 38.8781, 45.3056



20.9154, 38.8781, 16.0747



48.4474, 38.8781, 130.3671

Square

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



20.9154, 38.8781, 16.0747



26.0203, 38.8781, 124.3103



59.6103, 38.8781, 87.9161



50.5840, 38.8781, 7.7567

Rectangle

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



20.9154, 38.8781, 16.0747



19.2333, 38.8781, 64.9921



59.6103, 38.8781, 87.9161



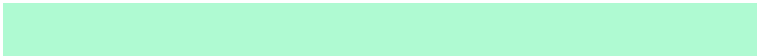
63.1547, 38.8781, 25.6656

Sweetspot

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



20.9164, 38.8797, 16.0756



63.4371, 82.0626, 73.3966



25.0330, 41.2151, 6.6361



12.9790, 17.2971, 14.9520



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.



20.9164, 38.8797, 16.0756



37.3379, 69.5824, 28.1482



27.6549, 41.5751, 51.5601



10.1355, 11.3352, 11.7168



13.9508, 25.8744, 10.8999



0.6376, 1.1319, 0.6541

Inverse Universe

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



24.4418, 12.3174, 13.9230



43.6477, 22.0092, 24.2719



22.0461, 11.3592, 1.3079



10.2928, 10.1657, 11.6326



16.2966, 8.2084, 9.4741



0.7387, 0.3685, 0.5913

Previews

White Background



This preview shows how the XYZ color 20.9154, 38.8781, 16.0747 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 20.9154, 38.8781, 16.0747 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 20.9154, 38.8781, 16.0747

Background



This preview shows how black text looks on a background with the XYZ color 20.9154, 38.8781, 16.0747.



This preview shows how white text looks on a background with the XYZ color 20.9154, 38.8781,

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

20.9154, 38.8781, 16.0747

Protanopia

34.8886, 38.0569, 13.2915

Deuteranopia

39.0074, 38.2537, 17.1322



Tritanopia

29.5934, 38.9373, 58.1805

Trichromacy



Original Color

20.9154, 38.8781, 16.0747



Protanomaly

24.4617, 35.4727, 13.9451



Deuteranomaly

25.7275, 34.6375, 16.3961



Tritanomaly

24.8636, 38.1805, 37.9574

Monochromacy



Original Color

20.9154, 38.8781, 16.0747



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

16.8965, 24.3270, 19.1343

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9154, 38.8781, 16.0747 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, 193, 90)` looks like.

```
.text, #text, p{  
    color:rgb(0, 193, 90)  
}
```

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, 193, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 90) }
```

Border

The CSS property to change the border of an element to XYZ 20.9154, 38.8781, 16.0747 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, 193, 90) }
```


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

```
.border{ border-color:rgb(0, 193, 90) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(0, 193, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 193, 90);  
box-shadow:4px 4px 4px 4px rgb(0, 193, 90)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.9154, 38.8781, 16.0747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 193, 90) }
```

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

```
.background{ background-color: rgb(0, 193,  
90) }
```

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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