

Converting Colors

XYZ(17.2573, 37.4603, 11.6449)

Have a look what the booklet for
XYZ(17.2573, 37.4603, 11.6449)
contains.

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Color

**XYZ(20.3049, 38.9888,
11.7656)**

Conversions

Conversions Part 1

Format	Color
Hex	00C243
RGB	0, 194, 67
RGB Percent	0%, 76%, 26%
CMY	1.0000, 0.2392, 0.7372
CMYK	1.00, 0.00, 0.65, 0.24
HSL	141°, 100%, 38%
HSV	141°, 100%, 76%
XYZ	20.3049, 38.9888, 11.7656
YIQ	121.5160, -74.8570, -80.6250

Conversions

Conversions Part 2

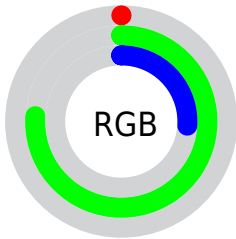
Format	Color
RYB	0, 144, 194
Decimal	49731
CIELab	68.74, -66.37, 50.85
CIELCh	69, 83.612, 142.545
Yxy	38.9888, 0.2857, 0.5487
Android (android.graphics.Color)	4278239811 (0xFF00C243)
YUV	121.5160, -26.8764, -106.5695
Hunter-Lab	62.4410, -51.2262, 32.5368

Details

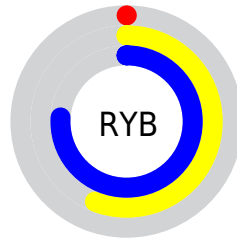
The XYZ color **20.3049, 38.9888, 11.7656** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **26.0801, 13.0023, 21.2153**, and the grayscale version is **18.4443, 19.4048, 21.1318**.

A 20% lighter version of the original color is **43.4561, 73.6862, 29.7018**, and **9.2491, 18.4718, 3.1641** is the 20% darker color. If you saturate the color by 10%, you get **20.3057, 38.9903, 11.7660**, and if you desaturate by 10%, it is **21.0061, 39.3025, 14.0112**.

Distribution



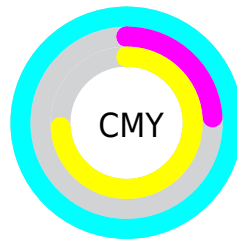
- Red (0%)
- Green (76%)
- Blue (26%)



- Red (0%)
- Yellow (56%)
- Blue (76%)



- Cyan (100%)
- Magenta (0%)
- Yellow (65%)
- Black (24%)



- Cyan (100%)
- Magenta (24%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3049, 38.9888, 11.7656 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 20.3049, 38.9888, 11.7656 by changing the saturation by 10% instead.

■ 20.3049, 38.9888,
11.7656

■ 20.3049, 38.9888,
11.7656

246.3632,
341.8429, 213.7698

■ 12.7264, 26.7510,
6.4637

■ 43.4278, 73.6212,
29.7255

■ 7.3161, 17.3863,
3.0557

■ 59.7030, 96.7846,
43.2205

■ 3.7087, 10.5103,
1.1232

■ 79.6078, 124.3587,
60.2836

■ 1.5387, 5.7386,
0.0000

■ 103.5075,
156.7278, 81.3334

■ 0.3519, 2.6868,
0.0000

■ 131.7676,
194.2764, 106.7883

■ 0.0000, 0.9705,
0.0000

164.7533,

■ 0.0000, 0.0000,

237.3889, 137.0670

0.0000

202.8301,
286.4495, 172.5880

■ 20.3049, 38.9888,
11.7656

■ 20.3049, 38.9888,
11.7656

■ 20.3057, 38.9903,
11.7660

■ 21.0061, 39.3025,
14.0112

■ 22.0714, 39.7924,
16.7356

■ 23.6046, 40.5129,
19.9685

■ 25.6607, 41.4916,
23.7351

■ 28.2863, 42.7521,
28.0585

■ 31.5227, 44.3154,
32.9606

■ 35.4074, 46.2003,
38.4621

■ 39.9745, 48.4240,
44.5824

■ 45.2558, 51.0025,
51.3403

Harmonies

Analogous

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



28.1321, 38.9888, 4.4491



20.3049, 38.9888, 11.7656



17.1187, 38.9888, 33.6804

Triad

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



20.3049, 38.9888, 11.7656



33.8528, 38.9888, 163.4767



65.8798, 38.9888, 20.1919

Complementary

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



20.3049, 38.9888, 11.7656



26.0801, 13.0023, 21.2153

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.



68.4507, 38.9888, 52.6283



20.3049, 38.9888, 11.7656



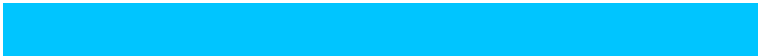
47.6958, 38.9888, 151.6067

Square

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



20.3049, 38.9888, 11.7656



23.6361, 38.9888, 130.5685



61.1520, 38.9888, 103.9881



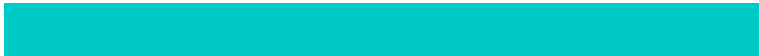
54.7879, 38.9888, 6.8996

Rectangle

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



20.3049, 38.9888, 11.7656



17.3543, 38.9888, 60.3310



61.1520, 38.9888, 103.9881



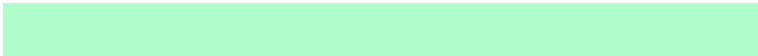
67.8617, 38.9888, 28.5085

Sweetspot

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



20.3058, 38.9904, 11.7665



63.7826, 83.5231, 69.1791



28.3971, 43.2787, 6.8571



13.2779, 17.9557, 14.1860



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.



20.3058, 38.9904, 11.7665



36.6798, 70.5949, 20.7497



25.7849, 41.1820, 40.6189



10.0848, 11.3150, 11.4500



13.3850, 25.6481, 7.9204



0.6111, 1.1213, 0.5146

Inverse Universe

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



26.0801, 13.0023, 21.2153



47.1237, 23.5058, 37.7769



22.5144, 11.5760, 2.4385



10.3447, 10.1865, 11.9059



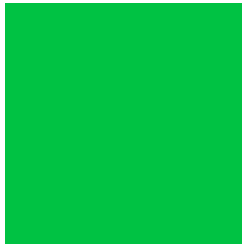
17.1860, 8.5641, 14.1572



0.7740, 0.3826, 0.7771

Previews

White Background



This preview shows how the XYZ color 20.3049, 38.9888, 11.7656 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 20.3049, 38.9888, 11.7656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

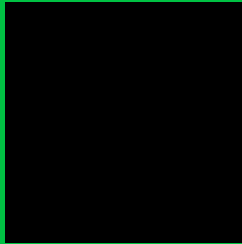
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3049, 38.9888, 11.7656

Background



This preview shows how black text looks on a background with the XYZ color 20.3049, 38.9888, 11.7656.



This preview shows how white text looks on a background with the XYZ color 20.3049, 38.9888,

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

20.3049, 38.9888, 11.7656

Protanopia

34.8578, 38.3923, 9.7109

Deuteranopia

38.7788, 37.9829, 12.4953



Tritanopia

29.6296, 38.6530, 58.1237

Trichromacy



Original Color

20.3049, 38.9888, 11.7656



Protanomaly

24.0629, 35.6436, 10.1691



Deuteranomaly

25.0049, 34.3661, 11.7940



Tritanomaly

24.2991, 37.9658, 34.4812

Monochromacy



Original Color

20.3049, 38.9888, 11.7656



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

16.1301, 23.7588, 16.3061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3049, 38.9888, 11.7656 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, 67)` looks like.

```
.text, #text, p{  
    color:rgb(0, 194, 67)  
}
```

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, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 194, 67) }
```

Border

The CSS property to change the border of an element to XYZ 20.3049, 38.9888, 11.7656 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, 67) }
```


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

```
.border{ border-color:rgb(0, 194, 67) }
```

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, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 194, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 194, 67);  
box-shadow:4px 4px 4px 4px rgb(0, 194, 67)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.3049, 38.9888, 11.7656 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, 67) }
```

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

```
.background{ background-color: rgb(0, 194,  
67) }
```

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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