

Converting Colors

XYZ(17.4200, 37.0283, 11.2402)

Have a look what the booklet for
XYZ(17.4200, 37.0283, 11.2402)
contains.

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Color

**XYZ(20.0241, 38.5216,
11.3811)**

Conversions

Conversions Part 1

Format	Color
Hex	00C141
RGB	0, 193, 65
RGB Percent	0%, 76%, 25%
CMY	1.0000, 0.2431, 0.7451
CMYK	1.00, 0.00, 0.66, 0.24
HSL	140°, 100%, 38%
HSV	140°, 100%, 76%
XYZ	20.0241, 38.5216, 11.3811
YIQ	120.7010, -73.9400, -80.7240

Conversions

Conversions Part 2

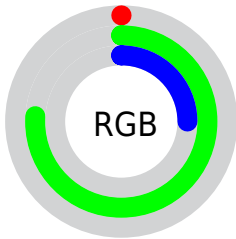
Format	Color
RYB	0, 144, 193
Decimal	49473
CIELab	68.40, -66.29, 51.31
CIELCh	68, 83.831, 142.260
Yxy	38.5216, 0.2864, 0.5509
Android (android.graphics.Color)	4278239553 (0xFF00C141)
YUV	120.7010, -27.4606, -105.8548
Hunter-Lab	62.0658, -51.0262, 32.5739

Details

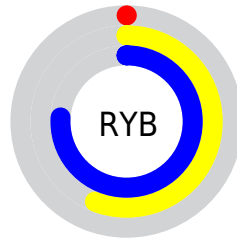
The XYZ color **20.0241, 38.5216, 11.3811** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **25.8896, 12.8965, 21.5474**, and the grayscale version is **18.1812, 19.1281, 20.8305**.

A 20% lighter version of the original color is **43.0227, 73.0117, 28.9647**, and **9.0885, 18.1770, 3.0295** is the 20% darker color. If you saturate the color by 10%, you get **20.0249, 38.5231, 11.3817**, and if you desaturate by 10%, it is **20.7134, 38.8302, 13.5743**.

Distribution



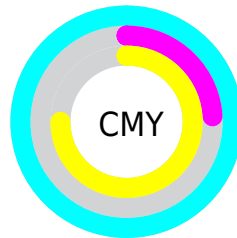
- Red (0%)
- Green (76%)
- Blue (25%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (66%)
- Black (24%)



- Cyan (100%)
- Magenta (24%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0241, 38.5216, 11.3811 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 20.0241, 38.5216, 11.3811 by changing the saturation by 10% instead.

■ 20.0241, 38.5216,
11.3811

■ 20.0241, 38.5216,
11.3811

244.8766,
339.8522, 211.0942

■ 12.5209, 26.3878,
6.2064

■ 42.9612, 72.9069,
29.0101

■ 7.1742, 17.1140,
2.9002

■ 59.1259, 95.9272,
42.3015

■ 3.6186, 10.3158,
1.0439

■ 78.9084, 123.3451,
59.1355

■ 1.4887, 5.6088,
0.0000

■ 102.6742,
155.5449, 79.9307

■ 0.3181, 2.6087,
0.0000

■ 130.7885,
192.9112, 105.1057

■ 0.0000, 0.9310,
0.0000

163.6168,

■ 0.0000, 0.0000,

235.8282, 135.0789

0.0000

201.5244,
284.6804, 170.2689

■ 20.0241, 38.5216,
11.3811

■ 20.0241, 38.5216,
11.3811

■ 20.0249, 38.5231,
11.3817

■ 20.7134, 38.8302,
13.5743

■ 21.7638, 39.3136,
16.2495

■ 23.2786, 40.0255,
19.4375

■ 25.3121, 40.9935,
23.1639

■ 27.9106, 42.2408,
27.4528

■ 31.1151, 43.7882,
32.3265

■ 34.9626, 45.6544,
37.8061

■ 39.4870, 47.8564,
43.9118

■ 44.7199, 50.4100,
50.6628

Harmonies

Analogous

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



27.8385, 38.5216, 4.2682



20.0241, 38.5216, 11.3811



16.8245, 38.5216, 32.9187

Triad

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



20.0241, 38.5216, 11.3811



33.3095, 38.5216, 162.5701



65.3879, 38.5216, 20.0412

Complementary

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



20.0241, 38.5216, 11.3811



25.8896, 12.8965, 21.5474

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.



67.8554, 38.5216, 52.4831



20.0241, 38.5216, 11.3811



47.0625, 38.5216, 151.1489

Square

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



20.0241, 38.5216, 11.3811



23.2040, 38.5216, 129.3435



60.4975, 38.5216, 103.7939



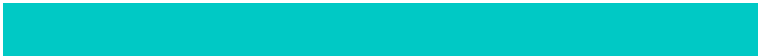
54.3932, 38.5216, 6.7693

Rectangle

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



20.0241, 38.5216, 11.3811



17.0318, 38.5216, 59.2952



60.4975, 38.5216, 103.7939



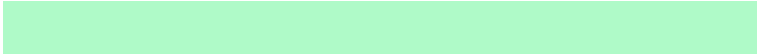
67.3338, 38.5216, 28.3574

Sweetspot

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



20.0250, 38.5232, 11.3820



62.2644, 81.5935, 67.2211



28.0739, 42.7828, 6.7783



12.7038, 17.1870, 13.5024



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.



20.0250, 38.5232, 11.3820



35.7612, 68.9518, 19.8457



25.4894, 40.7089, 40.1569



10.0813, 11.3136, 11.4313



13.3521, 25.6349, 7.7474



0.6094, 1.1206, 0.5058

Inverse Universe

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



25.8896, 12.8965, 21.5474



46.2471, 23.0490, 37.9604



22.2563, 11.4432, 2.4143



10.3484, 10.1880, 11.9254



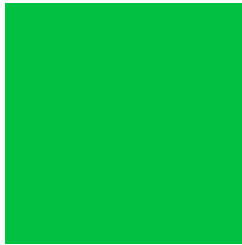
17.2574, 8.5927, 14.5334



0.7767, 0.3837, 0.7914

Previews

White Background



This preview shows how the XYZ color 20.0241, 38.5216, 11.3811 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 20.0241, 38.5216, 11.3811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

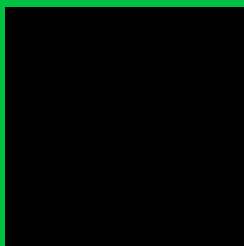
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.0241, 38.5216, 11.3811

Background



This preview shows how black text looks on a background with the XYZ color 20.0241, 38.5216, 11.3811.



This preview shows how white text looks on a background with the XYZ color 20.0241, 38.5216,

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

20.0241, 38.5216, 11.3811

Protanopia

34.3823, 37.8821, 9.3707

Deuteranopia

38.5383, 37.6149, 12.0667



Tritanopia

29.3135, 38.2023, 57.4586

Trichromacy



Original Color

20.0241, 38.5216, 11.3811



Protanomaly

23.8122, 35.2285, 9.8197



Deuteranomaly

24.7503, 33.9632, 11.3820



Tritanomaly

24.0097, 37.5142, 33.9925

Monochromacy



Original Color

20.0241, 38.5216, 11.3811



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

15.8432, 23.3848, 15.9906

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0241, 38.5216, 11.3811 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, 65)` looks like.

```
.text, #text, p{  
    color:rgb(0, 193, 65)  
}
```

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, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 65) }
```

Border

The CSS property to change the border of an element to XYZ 20.0241, 38.5216, 11.3811 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, 65) }
```


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

```
.border{ border-color:rgb(0, 193, 65) }
```

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, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 193, 65);  
box-shadow:4px 4px 4px 4px rgb(0, 193, 65)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.0241, 38.5216, 11.3811 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, 65) }
```

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

```
.background{ background-color: rgb(0, 193,  
65) }
```

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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