

Converting Colors

XYZ(20.2900, 38.5332, 6.3683)

Have a look what the booklet for
XYZ(20.2900, 38.5332, 6.3683)
contains.

XYZ(20.2149, 38.4031, 6.3471)	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(20.2149, 38.4031,
6.3471)**

Conversions

Conversions Part 1

Format	Color
Hex	33C000
RGB	51, 192, 0
RGB Percent	20%, 75%, 0%
CMY	0.8000, 0.2470, 0.9999
CMYK	0.73, 0.00, 1.00, 0.25
HSL	104°, 100%, 38%
HSV	104°, 100%, 75%
XYZ	20.2149, 38.4031, 6.3471
YIQ	127.9530, -22.4040, -89.6040

Conversions

Conversions Part 2

Format	Color
RYB	0, 192, 141
Decimal	3391488
CIELab	68.32, -64.98, 67.83
CIElCh	68, 93.928, 133.771
Yxy	38.4031, 0.3112, 0.5911
Android (android.graphics.Color)	4281581568 (0xFF33C000)
YUV	127.9530, -63.0808, -67.4878
Hunter-Lab	61.9702, -50.2206, 37.3066

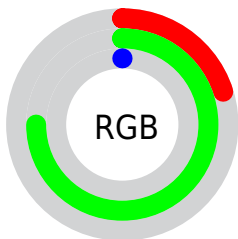
Details

The XYZ color **20.2149, 38.4031, 6.3471** is a dark color, and the websafe version is hex **33CC00**.

The color can be described as dark washed green. A complement of this color would be **20.5036, 9.4712, 50.6187**, and the grayscale version is **20.7208, 21.7998, 23.7400**.

A 20% lighter version of the original color is **43.3426, 72.9288, 19.1894**, and **8.9457, 17.8913, 2.9819** is the 20% darker color. If you saturate the color by 10%, you get **20.2149, 38.4043, 6.3473**, and if you desaturate by 10%, it is **21.1566, 38.8759, 7.0148**.

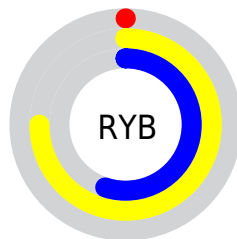
Distribution



Red (20%)

Green (75%)

Blue (0%)



Red (0%)

Yellow (75%)

Blue (55%)

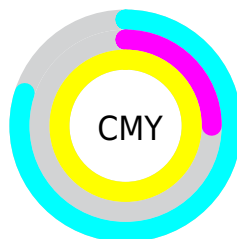


Cyan (73%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (80%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.2149, 38.4031, 6.3471 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 20.2149, 38.4031, 6.3471 by changing the saturation by 10% instead.


 20.2149, 38.4031,
6.3471

 20.2149, 38.4031,
6.3471


245.8876,
339.3460, 171.5423


 12.6605, 26.2957,
2.9851


 43.2784, 72.7256,
19.1372


 7.2706, 17.0450,
1.0870


 59.5182, 95.7094,
29.4023


 3.6797, 10.2666,
0.0000


 79.3839, 123.0875,
42.8055

 1.5226, 5.5761,
0.0000

 103.2408,
155.2443, 59.7654

 0.3411, 2.5891,
0.0000

 131.4542,
192.5642, 80.7005

 0.0000, 0.9212,
0.0000

 164.3896,

 0.0000, 0.0000,

235.4315, 106.0293

0.0000

202.4123,
284.2306, 136.1704

■ 20.2149, 38.4031,
6.3471

■ 20.2149, 38.4031,
6.3471

■ 20.2149, 38.4043,
6.3473

■ 21.1566, 38.8759,
7.0148

■ 22.4485, 39.5146,
8.3135

■ 24.1498, 40.3456,
10.4674

■ 26.2962, 41.3853,
13.5905

■ 28.9195, 42.6476,
17.7793

■ 32.0481, 44.1455,
23.1187

■ 35.7080, 45.8908,
29.6850

■ 39.9235, 47.8943,
37.5480

■ 44.7172, 50.1663,
46.7720

Harmonies

Analogous

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



30.1701, 38.4031, 2.1606



20.2149, 38.4031, 6.3471



15.5133, 38.4031, 23.0070

Triad

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



20.2149, 38.4031, 6.3471



29.1493, 38.4031, 177.8963



71.4650, 38.4031, 25.3360

Complementary

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



20.2149, 38.4031, 6.3471



20.5036, 9.4712, 50.6187

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.



70.9744, 38.4031, 68.8023



20.2149, 38.4031, 6.3471



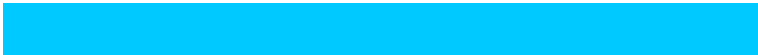
43.6608, 38.4031, 180.2690

Square

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



20.2149, 38.4031, 6.3471



19.6416, 38.4031, 126.6787



59.7876, 38.4031, 131.8951



60.9882, 38.4031, 7.0726

Rectangle

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



20.2149, 38.4031, 6.3471



14.9182, 38.4031, 47.3751



59.7876, 38.4031, 131.8951



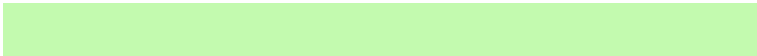
72.6487, 38.4031, 36.7069

Sweetspot

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



20.2158, 38.4047, 6.3480



64.3493, 82.9820, 53.1470



31.2359, 30.2002, 4.1835



13.1790, 17.5041, 10.2672



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.



20.2158, 38.4047, 6.3480



36.4256, 69.4798, 11.4911



19.3208, 37.8890, 8.7592



10.1897, 11.3853, 10.7224



13.6658, 25.8738, 4.2739



0.6582, 1.1529, 0.1878

Inverse Universe

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



20.5036, 9.4712, 50.6187



36.8970, 17.0296, 91.7026



27.0221, 13.3205, 28.8361



10.2279, 10.1087, 12.6969



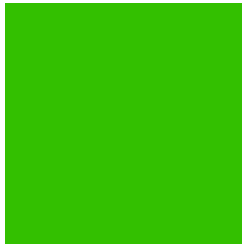
13.8721, 6.4118, 34.0631



0.6616, 0.3091, 1.4747

Previews

White Background



This preview shows how the XYZ color 20.2149, 38.4031, 6.3471 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 20.2149, 38.4031, 6.3471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

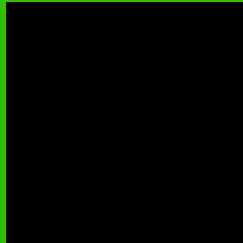
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.2149, 38.4031, 6.3471

Background



This preview shows how black text looks on a background with the XYZ color 20.2149, 38.4031, 6.3471.



This preview shows how white text looks on a background with the XYZ color 20.2149, 38.4031,

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

20.2149, 38.4031, 6.3471

Protanopia

33.8859, 37.7115, 5.4931

Deuteranopia

38.4696, 37.6839, 7.3440



Tritanopia

30.0602, 38.0182, 56.2060

Trichromacy



Original Color

20.2149, 38.4031, 6.3471



Protanomaly

25.6465, 35.9783, 5.5928



Deuteranomaly

27.3237, 35.4033, 6.3707



Tritanomaly

23.6505, 36.9167, 24.6180

Monochromacy



Original Color

20.2149, 38.4031, 6.3471



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

17.8073, 25.4366, 11.7558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2149, 38.4031, 6.3471 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(51, 192, 0)` looks like.

```
.text, #text, p{  
    color:rgb(51, 192, 0)  
}
```

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(51, 192, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 192, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.2149, 38.4031, 6.3471 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(51, 192, 0) }
```


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

```
.border{ border-color:rgb(51, 192, 0) }
```

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

Here you see how a box with a 4 pixel rgb(51, 192, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 192, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 192, 0);  
box-shadow:4px 4px 4px 4px rgb(51, 192, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.2149, 38.4031, 6.3471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 192, 0) }
```

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

```
.background{ background-color: rgb(51, 192,  
0) }
```

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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