

Converting Colors

XYZ(18.5273, 39.5821, 5.6478)

Have a look what the booklet for
XYZ(18.5273, 39.5821, 5.6478)
contains.

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Color

**XYZ(20.1941, 40.3882,
6.7314)**

Conversions

Conversions Part 1

Format	Color
Hex	00C600
RGB	0, 198, 0
RGB Percent	0%, 78%, 0%
CMY	1.0000, 0.2235, 0.9999
CMYK	1.00, 0.00, 1.00, 0.22
HSL	120°, 100%, 39%
HSV	120°, 100%, 78%
XYZ	20.1941, 40.3882, 6.7314
YIQ	116.2260, -54.4500, -103.5540

Conversions

Conversions Part 2

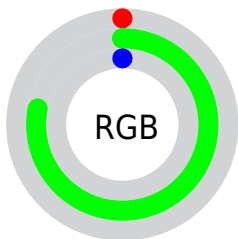
Format	Color
RYB	0, 198, 198
Decimal	50688
CIELab	69.75, -71.24, 68.75
CIELCh	70, 99.004, 136.016
Yxy	40.3882, 0.3000, 0.6000
Android (android.graphics.Color)	4278240768 (0xFF00C600)
YUV	116.2260, -57.2994, -101.9302
Hunter-Lab	63.5517, -54.4956, 38.2062

Details

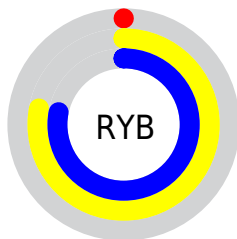
The XYZ color **20.1941, 40.3882, 6.7314** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **33.4804, 16.0826, 54.7538**, and the grayscale version is **16.8541, 17.7318, 19.3099**.

A 20% lighter version of the original color is **42.9169, 75.0422, 19.8121**, and **9.6730, 19.3460, 3.2243** is the 20% darker color. If you saturate the color by 10%, you get **20.1950, 40.3899, 6.7323**, and if you desaturate by 10%, it is **20.6040, 40.5863, 7.4015**.

Distribution



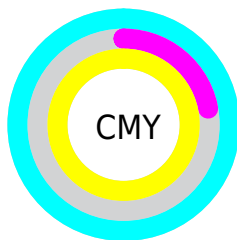
- Red (0%)
- Green (78%)
- Blue (0%)



- Red (0%)
- Yellow (78%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (100%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.1941, 40.3882, 6.7314 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 20.1941, 40.3882, 6.7314 by changing the saturation by 10% instead.


 20.1941, 40.3882,
6.7314


 20.1941, 40.3882,
6.7314


245.7775,
347.7571, 174.9582


 12.6453, 27.8413,
3.2188


 43.2438, 75.7543,
19.9344

 7.2601, 18.2061,
1.2074


 59.4755, 99.3423,
30.4618


 3.6730, 11.0981,
0.0000


 79.3321, 127.3795,
44.1646

 1.5189, 6.1328,
0.0000

 103.1791,
160.2503, 61.4614

 0.3386, 2.9260,
0.0000

 131.3818,
198.3391, 82.7706

 0.0000, 1.0932,
0.0000

 164.3055,

 0.0000, 0.0000,

242.0302, 108.5107

0.0000

202.3156,
291.7080, 139.1004

■ 20.1941, 40.3882,
6.7314

■ 20.1941, 40.3882,
6.7314

■ 20.1950, 40.3899,
6.7323

■ 20.6040, 40.5863,
7.4015

■ 21.4311, 40.9836,
8.7548

■ 22.8227, 41.6521,
11.0314

■ 24.8553, 42.6284,
14.3564

■ 27.5935, 43.9437,
18.8354

■ 31.0940, 45.6252,
24.5612

■ 35.4078, 47.6973,
31.6171

■ 40.5816, 50.1825,
40.0793

■ 46.6582, 53.1015,
50.0183

Harmonies

Analogous

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



30.4898, 40.3882, 1.9892



20.1941, 40.3882, 6.7314



15.5597, 40.3882, 25.8946

Triad

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



20.1941, 40.3882, 6.7314



31.4051, 40.3882, 197.4881



76.3297, 40.3882, 23.8261

Complementary

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



20.1941, 40.3882, 6.7314



33.4804, 16.0826, 54.7538

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.



76.7784, 40.3882, 68.9673



20.1941, 40.3882, 6.7314



47.5439, 40.3882, 195.2889

Square

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



20.1941, 40.3882, 6.7314



20.7024, 40.3882, 143.0998



65.1383, 40.3882, 138.2897



64.0439, 40.3882, 6.1171

Rectangle

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



20.1941, 40.3882, 6.7314



15.1555, 40.3882, 53.9007



65.1383, 40.3882, 138.2897



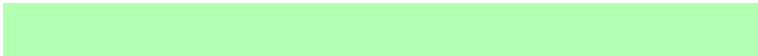
77.9661, 40.3882, 35.3509

Sweetspot

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



20.1950, 40.3899, 6.7323



62.3221, 84.2791, 55.3707



43.4846, 52.3961, 7.8216



12.6071, 17.6874, 10.6537



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.



20.1950, 40.3899, 6.7323



35.7602, 71.5201, 11.9209



22.4471, 41.2907, 18.5917



10.4976, 11.8879, 11.3043



13.1328, 26.2655, 4.3781



0.6219, 1.2437, 0.2074

Inverse Universe

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



33.4804, 16.0826, 54.7538



59.2852, 28.4781, 96.9545



25.5419, 12.9071, 12.9500



11.0831, 10.8166, 13.4209



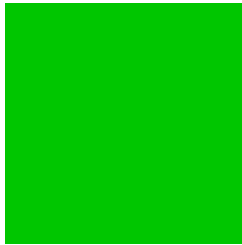
21.7723, 10.4585, 35.6065



1.0309, 0.4952, 1.6861

Previews

White Background



This preview shows how the XYZ color 20.1941, 40.3882, 6.7314 looks on a white background.

Color Contrast Check

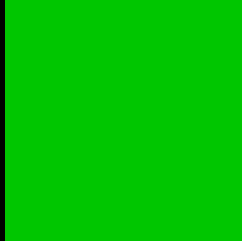
Large Text (above 18pt) WCAG AA × Fail

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 20.1941, 40.3882, 6.7314 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

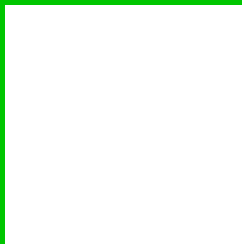
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.1941, 40.3882, 6.7314

Background



This preview shows how black text looks on a background with the XYZ color 20.1941, 40.3882, 6.7314.



This preview shows how white text looks on a background with the XYZ color 20.1941, 40.3882,

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

20.1941, 40.3882, 6.7314

Protanopia

35.8606, 39.8258, 5.7971

Deuteranopia

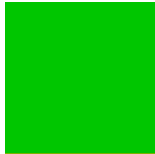
40.4474, 39.4622, 7.7706



Tritanopia

31.0166, 40.2435, 60.1659

Trichromacy



Original Color

20.1941, 40.3882, 6.7314



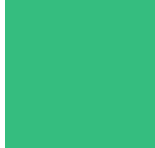
Protanomaly

24.3473, 36.7801, 5.8160



Deuteranomaly

25.4872, 35.5855, 6.5623



Tritanomaly

23.4966, 38.6844, 26.3071

Monochromacy



Original Color

20.1941, 40.3882, 6.7314



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

14.3390, 22.5080, 10.0673

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1941, 40.3882, 6.7314 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, 198, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 198, 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(0, 198, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.1941, 40.3882, 6.7314 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, 198, 0) }
```


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

```
.border{ border-color:rgb(0, 198, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 198, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 198, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 198, 0); box-shadow:4px  
4px 4px 4px rgb(0, 198, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1941, 40.3882, 6.7314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 198, 0) }
```

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

```
.background{ background-color: rgb(0, 198,  
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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