

Converting Colors

XYZ(20.1226, 40.1458, 7.0139)

Have a look what the booklet for
XYZ(20.1226, 40.1458, 7.0139)
contains.

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Color

**XYZ(20.0267, 39.9567,
6.9735)**

Conversions

Conversions Part 1

Format	Color
Hex	00C50B
RGB	0, 197, 11
RGB Percent	0%, 77%, 4%
CMY	1.0000, 0.2274, 0.9568
CMYK	1.00, 0.00, 0.94, 0.23
HSL	123°, 100%, 39%
HSV	123°, 100%, 77%
XYZ	20.0267, 39.9567, 6.9735
YIQ	116.8930, -57.7060, -99.6100

Conversions

Conversions Part 2

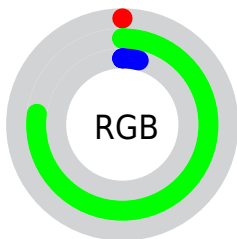
Format	Color
RYB	0, 187, 197
Decimal	50443
CIELab	69.44, -70.74, 67.29
CIELCh	69, 97.634, 136.433
Yxy	39.9567, 0.2991, 0.5968
Android (android.graphics.Color)	4278240523 (0xFF00C50B)
YUV	116.8930, -52.2052, -102.5152
Hunter-Lab	63.2113, -54.0672, 37.7070

Details

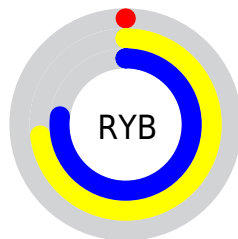
The XYZ color **20.0267, 39.9567, 6.9735** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **31.8884, 15.4155, 47.7415**, and the grayscale version is **17.0465, 17.9343, 19.5304**.

A 20% lighter version of the original color is **42.9149, 75.0281, 20.4036**, and **9.5249, 19.0498, 3.1750** is the 20% darker color. If you saturate the color by 10%, you get **20.0276, 39.9583, 6.9743**, and if you desaturate by 10%, it is **20.4791, 40.1716, 7.8775**.

Distribution



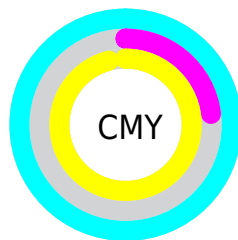
- Red (0%)
- Green (77%)
- Blue (4%)



- Red (0%)
- Yellow (73%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (94%)
- Black (23%)





- Cyan (100%)
- Magenta (23%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.0267, 39.9567, 6.9735 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 20.0267, 39.9567, 6.9735 by changing the saturation by 10% instead.


 20.0267, 39.9567,
6.9735


 20.0267, 39.9567,
6.9735


244.8904,
345.9410, 177.0659


 12.5228, 27.5048,
3.3673


 42.9655, 75.0976,
20.4318


 7.1755, 17.9527,
1.2851


 59.1312, 98.5553,
31.1211


 3.6194, 10.9160,
0.0496


 78.9149, 126.4505,
45.0085

 1.4892, 6.0104,
0.0000

 102.6819,
159.1674, 62.5125

 0.3184, 2.8514,
0.0000

 130.7976,
197.0905, 84.0517

 0.0000, 1.0547,
0.0000

 163.6274,

 0.0000, 0.0000,

240.6043, 110.0447

0.0000

201.5365,
290.0930, 140.9099

■ 20.0267, 39.9567,
6.9735

■ 20.0267, 39.9567,
6.9735

■ 20.0276, 39.9583,
6.9743

■ 20.4791, 40.1716,
7.8775

■ 21.3571, 40.5886,
9.5287

■ 22.7845, 41.2702,
12.0464

■ 24.8315, 42.2505,
15.5274

■ 27.5581, 43.5587,
20.0555

■ 31.0171, 45.2204,
25.7055

■ 35.2561, 47.2587,
32.5453

■ 40.3187, 49.6947,
40.6374

■ 46.2453, 52.5480,
50.0400

Harmonies

Analogous

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



30.0575, 39.9567, 2.1032



20.0267, 39.9567, 6.9735



15.5323, 39.9567, 26.2053

Triad

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



20.0267, 39.9567, 6.9735



31.3237, 39.9567, 193.4136



74.9404, 39.9567, 23.3355

Complementary

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



20.0267, 39.9567, 6.9735



31.8884, 15.4155, 47.7415

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.



75.5574, 39.9567, 67.1167



20.0267, 39.9567, 6.9735



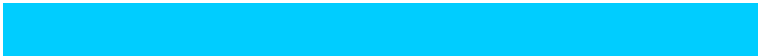
47.1796, 39.9567, 190.4010

Square

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



20.0267, 39.9567, 6.9735



20.7323, 39.9567, 141.1053



64.3369, 39.9567, 134.5059



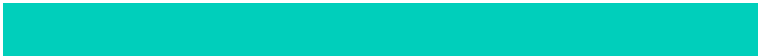
62.8304, 39.9567, 6.1089

Rectangle

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



20.0267, 39.9567, 6.9735



15.1755, 39.9567, 53.9364



64.3369, 39.9567, 134.5059



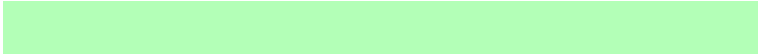
76.5944, 39.9567, 34.5154

Sweetspot

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



20.0276, 39.9584, 6.9744



62.7592, 84.4539, 57.6723



40.4982, 50.5183, 7.6166



12.7059, 17.7269, 11.1738



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.



20.0276, 39.9584, 6.9744



35.8410, 71.5524, 12.3468



22.6927, 41.0244, 21.0086



10.5211, 11.8973, 11.4284



13.1827, 26.2855, 4.6409



0.6328, 1.2480, 0.2649

Inverse Universe

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



31.8884, 15.4155, 47.7415



57.0782, 27.5953, 85.3330



24.8156, 12.5863, 10.4965



11.0565, 10.8060, 13.2808



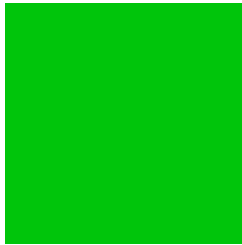
20.9841, 10.1432, 31.4556



1.0016, 0.4835, 1.5316

Previews

White Background



This preview shows how the XYZ color 20.0267, 39.9567, 6.9735 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 20.0267, 39.9567, 6.9735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

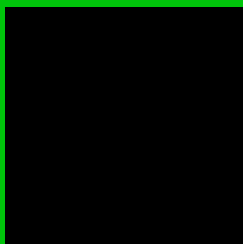
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.0267, 39.9567, 6.9735

Background



This preview shows how black text looks on a background with the XYZ color 20.0267, 39.9567, 6.9735.



This preview shows how white text looks on a background with the XYZ color 20.0267, 39.9567,

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

20.0267, 39.9567, 6.9735

Protanopia

35.4232, 39.3231, 5.7231

Deuteranopia

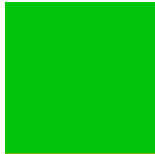
39.8894, 39.1723, 7.8415



Tritanopia

30.6938, 39.7832, 59.4873

Trichromacy



Original Color

20.0267, 39.9567, 6.9735



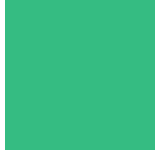
Protanomaly

24.0272, 36.3139, 5.8578



Deuteranomaly

25.0358, 35.0598, 6.8142



Tritanomaly

23.4807, 38.3350, 27.2809

Monochromacy



Original Color

20.0267, 39.9567, 6.9735



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

14.4781, 22.5637, 10.7999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0267, 39.9567, 6.9735 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, 197, 11)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 11)  
}
```

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, 197, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 11) }
```

Border

The CSS property to change the border of an element to XYZ 20.0267, 39.9567, 6.9735 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, 197, 11) }
```


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

```
.border{ border-color:rgb(0, 197, 11) }
```

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

Here you see how a box with a 4 pixel rgb(0, 197, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 197, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 197, 11);  
box-shadow:4px 4px 4px 4px rgb(0, 197, 11)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.0267, 39.9567, 6.9735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 197, 11) }
```

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

```
.background{ background-color: rgb(0, 197,  
11) }
```

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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