

Converting Colors

XYZ(19.9870, 39.5582, 6.5821)

Have a look what the booklet for
XYZ(19.9870, 39.5582, 6.5821)
contains.

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Color

**XYZ(20.0284, 39.6286,
6.5935)**

Conversions

Conversions Part 1

Format	Color
Hex	14C400
RGB	20, 196, 0
RGB Percent	8%, 77%, 0%
CMY	0.9216, 0.2314, 0.9999
CMYK	0.90, 0.00, 1.00, 0.23
HSL	114°, 100%, 38%
HSV	114°, 100%, 77%
XYZ	20.0284, 39.6286, 6.5935
YIQ	121.0320, -41.9800, -98.2680

Conversions

Conversions Part 2

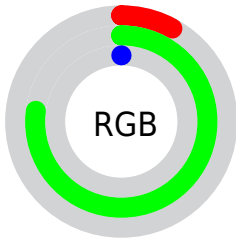
Format	Color
RYB	0, 196, 176
Decimal	1360896
CIELab	69.20, -69.72, 68.37
CIELCh	69, 97.648, 135.564
Yxy	39.6286, 0.3023, 0.5982
Android (android.graphics.Color)	4279550976 (0xFF14C400)
YUV	121.0320, -59.6688, -88.6051
Hunter-Lab	62.9513, -53.3736, 37.8559

Details

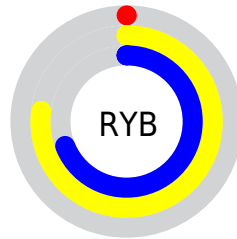
The XYZ color **20.0284, 39.6286, 6.5935** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **27.8753, 13.2196, 53.3092**, and the grayscale version is **18.3824, 19.3397, 21.0610**.

A 20% lighter version of the original color is **42.9532, 74.5886, 19.7226**, and **9.3781, 18.7562, 3.1260** is the 20% darker color. If you saturate the color by 10%, you get **20.0288, 39.6300, 6.5937**, and if you desaturate by 10%, it is **20.6484, 39.9352, 7.2643**.

Distribution



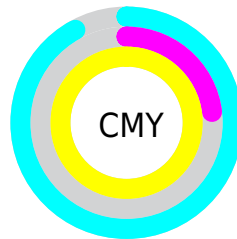
- Red (8%)
- Green (77%)
- Blue (0%)



- Red (0%)
- Yellow (77%)
- Blue (69%)



- Cyan (90%)
- Magenta (0%)
- Yellow (100%)
- Black (23%)





- Cyan (92%)
- Magenta (23%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.0284, 39.6286, 6.5935 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 20.0284, 39.6286, 6.5935 by changing the saturation by 10% instead.


 20.0284, 39.6286,
6.5935


 20.0284, 39.6286,
6.5935


244.8995,
344.5557, 173.7426


 12.5241, 27.2491,
3.1346

 42.9684, 74.5976,
19.6494

 7.1764, 17.7604,
1.1638


 59.1347, 97.9559,
30.0835

 3.6200, 10.7781,
0.0000


 78.9191, 125.7426,
43.6798

 1.4895, 5.9178,
0.0000

 102.6870,
158.3421, 60.8568

 0.3186, 2.7952,
0.0000

 130.8035,
196.1387, 82.0330

 0.0000, 1.0258,
0.0000

 163.6343,

 0.0000, 0.0000,

239.5170, 107.6271

0.0000

201.5444,
288.8611, 138.0574

■ 20.0284, 39.6286,
6.5935

■ 20.0284, 39.6286,
6.5935

■ 20.0288, 39.6300,
6.5937

■ 20.6484, 39.9352,
7.2643

■ 21.6974, 40.4474,
8.6025

■ 23.2585, 41.2043,
10.8411

■ 25.3874, 42.2318,
14.1011

■ 28.1321, 43.5526,
18.4850

■ 31.5358, 45.1869,
24.0826

■ 35.6374, 47.1530,
30.9747

■ 40.4730, 49.4681,
39.2352

■ 46.0763, 52.1478,
48.9325

Harmonies

Analogous

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



30.1661, 39.6286, 2.0075



20.0284, 39.6286, 6.5935



15.4190, 39.6286, 25.0559

Triad

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



20.0284, 39.6286, 6.5935



30.6611, 39.6286, 191.6255



74.6545, 39.6286, 23.9351

Complementary

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



20.0284, 39.6286, 6.5935



27.8753, 13.2196, 53.3092

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.



74.8961, 39.6286, 68.3514



20.0284, 39.6286, 6.5935



46.3156, 39.6286, 190.4444

Square

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



20.0284, 39.6286, 6.5935



20.3039, 39.6286, 138.3597



63.4486, 39.6286, 135.7736



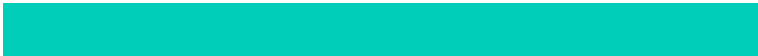
62.8588, 39.6286, 6.2573

Rectangle

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



20.0284, 39.6286, 6.5935



14.9783, 39.6286, 52.0399



63.4486, 39.6286, 135.7736



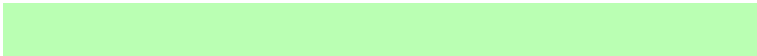
76.1797, 39.6286, 35.3329

Sweetspot

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



20.0293, 39.6302, 6.5944



64.1682, 85.2309, 55.4524



37.7363, 41.6768, 6.0562



13.0254, 17.9030, 10.6722



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.



20.0293, 39.6302, 6.5944



36.1858, 71.7395, 11.9399



21.0161, 39.9917, 13.2948



10.0376, 11.3068, 10.7153



12.9039, 25.4811, 4.2382



0.5903, 1.1179, 0.1847

Inverse Universe

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



27.8753, 13.2196, 53.3092



50.3660, 23.8795, 96.5624



26.2098, 13.1142, 19.1997



10.3929, 10.1937, 12.7046



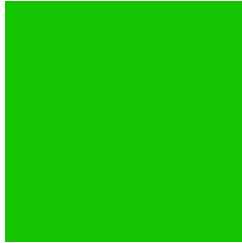
17.9520, 8.5150, 34.2540



0.8054, 0.3832, 1.4814

Previews

White Background



This preview shows how the XYZ color 20.0284, 39.6286, 6.5935 looks on a white background.

Color Contrast Check

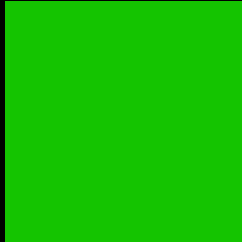
Large Text (above 18pt) WCAG AA × Fail

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 20.0284, 39.6286, 6.5935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

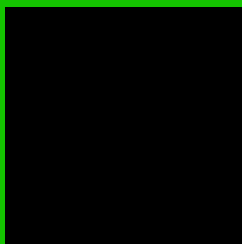
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.0284, 39.6286, 6.5935

Background



This preview shows how black text looks on a background with the XYZ color 20.0284, 39.6286, 6.5935.



This preview shows how white text looks on a background with the XYZ color 20.0284, 39.6286,

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

20.0284, 39.6286, 6.5935

Protanopia

34.9889, 38.8241, 5.6497

Deuteranopia

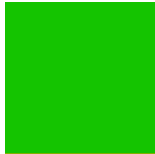
39.6800, 38.8123, 7.5907



Tritanopia

30.4621, 39.3719, 58.8173

Trichromacy



Original Color

20.0284, 39.6286, 6.5935



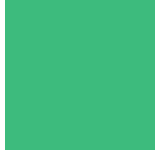
Protanomaly

24.8225, 36.4300, 5.7234



Deuteranomaly

26.1057, 35.3350, 6.4813



Tritanomaly

23.3965, 38.0134, 25.5062

Monochromacy



Original Color

20.0284, 39.6286, 6.5935



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

15.5856, 23.6004, 10.7551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0284, 39.6286, 6.5935 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(20, 196, 0)` looks like.

```
.text, #text, p{  
    color:rgb(20, 196, 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(20, 196, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 196, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.0284, 39.6286, 6.5935 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(20, 196, 0) }
```


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

```
.border{ border-color:rgb(20, 196, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 196, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 196, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 196, 0);  
box-shadow:4px 4px 4px 4px rgb(20, 196, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.0284, 39.6286, 6.5935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 196, 0) }
```

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

```
.background{ background-color: rgb(20, 196,  
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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