

# Converting Colors

XYZ(19.0740, 39.4634, 4.5687)

Have a look what the booklet for  
XYZ(19.0740, 39.4634, 4.5687)  
contains.

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# Color

**XYZ(19.9663, 39.9325,  
6.6554)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00C500
RGB	0, 197, 0
RGB Percent	0%, 77%, 0%
CMY	1.0000, 0.2274, 0.9999
CMYK	1.00, 0.00, 1.00, 0.23
HSL	120°, 100%, 39%
HSV	120°, 100%, 77%
XYZ	19.9663, 39.9325, 6.6554
YIQ	115.6390, -54.1750, -103.0310

# Conversions

## Conversions Part 2

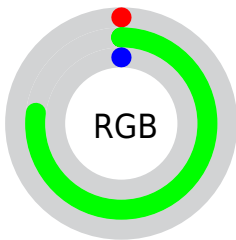
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 197, 197
Decimal	50432
CIELab	69.42, -70.97, 68.49
CIELCh	69, 98.631, 136.016
Yxy	39.9325, 0.3000, 0.6000
Android (android.graphics.Color)	4278240512 (0xFF00C500)
YUV	115.6390, -57.0100, -101.4154
Hunter-Lab	63.1922, -54.1871, 37.9901

# Details

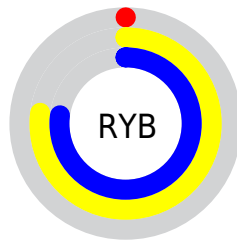
The XYZ color **19.9663, 39.9325, 6.6554** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **33.1036, 15.9016, 54.1404**, and the grayscale version is **16.6727, 17.5409, 19.1021**.

A 20% lighter version of the original color is **42.8015, 74.9828, 19.8067**, and **9.5249, 19.0498, 3.1750** is the 20% darker color. If you saturate the color by 10%, you get **19.9671, 39.9341, 6.6561**, and if you desaturate by 10%, it is **20.3734, 40.1292, 7.3208**.

# Distribution



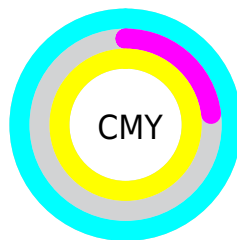
- Red (0%)
- Green (77%)
- Blue (0%)



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



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




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9663, 39.9325, 6.6554 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 19.9663, 39.9325, 6.6554 by changing the saturation by 10% instead.





 19.9663, 39.9325,  
6.6554


 19.9663, 39.9325,  
6.6554


244.5697,  
345.8390, 174.2896


 12.4787, 27.4859,  
3.1724


 42.8650, 75.0607,  
19.7775


 7.1451, 17.9385,  
1.1833


 59.0069, 98.5111,  
30.2536

 3.6001, 10.9058,  
0.0000


 78.7642, 126.3983,  
43.8978

 1.4785, 6.0036,  
0.0000

 102.5022,  
159.1066, 61.1287

 0.3111, 2.8472,  
0.0000

 130.5865,  
197.0204, 82.3648

 0.0000, 1.0525,  
0.0000

 163.3822,

 0.0000, 0.0000,

240.5242, 108.0246

0.0000

201.2548,  
290.0022, 138.5267

■ 19.9663, 39.9325,  
6.6554

■ 19.9663, 39.9325,  
6.6554

■ 19.9671, 39.9341,  
6.6561

■ 20.3734, 40.1292,  
7.3208

■ 21.1924, 40.5227,  
8.6608

■ 22.5695, 41.1841,  
10.9135

■ 24.5801, 42.1499,  
14.2024

■ 27.2880, 43.4507,  
18.6318

■ 30.7492, 45.1133,  
24.2934

■ 35.0142, 47.1620,  
31.2694

■ 40.1288, 49.6188,  
39.6351

■ 46.1357, 52.5042,  
49.4600

# Harmonies

## Analogous

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



30.1459, 39.9325, 1.9668



19.9663, 39.9325, 6.6554



15.3841, 39.9325, 25.6023

# Triad

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



19.9663, 39.9325, 6.6554



31.0507, 39.9325, 195.2595



75.4685, 39.9325, 23.5575

# Complementary

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



19.9663, 39.9325, 6.6554



33.1036, 15.9016, 54.1404

# 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.



75.9120, 39.9325, 68.1895



19.9663, 39.9325, 6.6554



47.0073, 39.9325, 193.0856

# Square

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



19.9663, 39.9325, 6.6554



20.4688, 39.9325, 141.4848



64.4032, 39.9325, 136.7297



63.3214, 39.9325, 6.0482



# Rectangle

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



19.9663, 39.9325, 6.6554



14.9845, 39.9325, 53.2922



64.4032, 39.9325, 136.7297



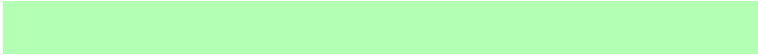
77.0864, 39.9325, 34.9523

# Sweetspot

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



19.9672, 39.9342, 6.6563



62.3219, 84.2790, 55.3692



42.9939, 51.8049, 7.7335



12.6070, 17.6874, 10.6533



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.



19.9672, 39.9342, 6.6563



35.7601, 71.5200, 11.9206



22.1956, 40.8255, 18.3909



10.4975, 11.8879, 11.3043



13.1328, 26.2655, 4.3780



0.6219, 1.2437, 0.2074



# Inverse Universe

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



33.1036, 15.9016, 54.1404



59.2867, 28.4787, 96.9626



25.2554, 12.7623, 12.8128



11.0831, 10.8166, 13.4210



21.7729, 10.4587, 35.6094

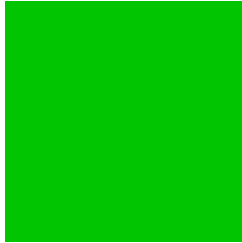


1.0310, 0.4952, 1.6862



# Previews

## White Background



This preview shows how the XYZ color 19.9663, 39.9325, 6.6554 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 19.9663, 39.9325, 6.6554 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

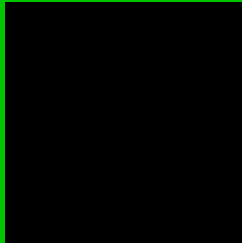
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 19.9663, 39.9325, 6.6554**

## **Background**



This preview shows how black text looks on a background with the XYZ color 19.9663, 39.9325, 6.6554.



This preview shows how white text looks on a background with the XYZ color 19.9663, 39.9325,



# 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

19.9663, 39.9325, 6.6554

### Protanopia

35.4232, 39.3231, 5.7231

### Deuteranopia

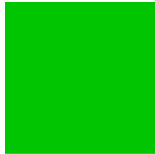
39.8708, 39.1649, 7.7437



## Tritanopia

30.6938, 39.7832, 59.4873

# Trichromacy



## Original Color

19.9663, 39.9325, 6.6554



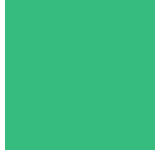
## Protanomaly

24.0053, 36.3051, 5.7424



## Deuteranomaly

24.9729, 35.0346, 6.4831



## Tritanomaly

23.2173, 38.2297, 25.8941

# Monochromacy



## Original Color

19.9663, 39.9325, 6.6554



## Achromatopsia

16.6002, 17.4647, 19.0191



## Achromatomaly

14.1855, 22.2011, 10.0161

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 19.9663, 39.9325, 6.6554 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 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, 197, 0) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to XYZ 19.9663, 39.9325, 6.6554 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, 0) }
```



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

```
.border{ border-color:rgb(0, 197, 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, 197, 0)` colored shadow looks like.

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

# Background

The CSS property to change the background color of an element to XYZ 19.9663, 39.9325, 6.6554 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, 0) }
```

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

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