

# Converting Colors

XYZ(20.2542, 39.6858, 9.2853)

Have a look what the booklet for  
XYZ(20.2542, 39.6858, 9.2853)  
contains.

<b>XYZ(20.2530, 39.6851, 9.2819)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(20.2530, 39.6851,  
9.2819)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00C42F
RGB	0, 196, 47
RGB Percent	0%, 77%, 18%
CMY	1.0000, 0.2314, 0.8157
CMYK	1.00, 0.00, 0.76, 0.23
HSL	134°, 100%, 38%
HSV	134°, 100%, 77%
XYZ	20.2530, 39.6851, 9.2819
YIQ	120.4100, -68.9870, -87.8910

# Conversions

## Conversions Part 2

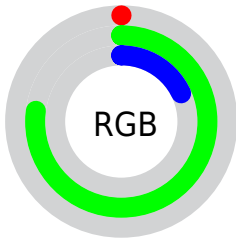
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 158, 196
Decimal	50223
CIELab	69.24, -68.79, 58.95
CIELCh	69, 90.595, 139.404
Yxy	39.6851, 0.2926, 0.5733
Android (android.graphics.Color)	4278240303 (0xFF00C42F)
YUV	120.4100, -36.1911, -105.5996
Hunter-Lab	62.9961, -52.8562, 35.3614

# Details

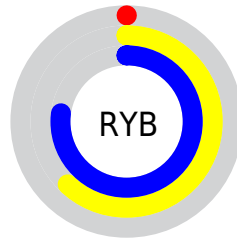
The XYZ color **20.2530, 39.6851, 9.2819** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **28.1905, 13.9061, 29.6310**, and the grayscale version is **18.1133, 19.0566, 20.7526**.

A 20% lighter version of the original color is **43.3695, 74.6877, 24.9623**, and **9.3781, 18.7562, 3.1260** is the 20% darker color. If you saturate the color by 10%, you get **20.2539, 39.6867, 9.2828**, and if you desaturate by 10%, it is **20.8881, 39.9728, 11.1585**.

# Distribution



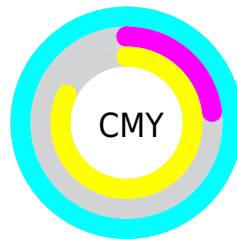
- Red (0%)
- Green (77%)
- Blue (18%)



- Red (0%)
- Yellow (62%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (76%)
- Black (23%)




- Cyan (100%)
- Magenta (23%)
- Yellow (82%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2530, 39.6851, 9.2819 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 20.2530, 39.6851, 9.2819 by changing the saturation by 10% instead.





 20.2530, 39.6851,  
9.2819


 20.2530, 39.6851,  
9.2819


246.0890,  
344.7945, 195.7620


 12.6884, 27.2931,  
4.8262


 43.3417, 74.6838,  
25.0221


 7.2899, 17.7935,  
2.0887


 59.5965, 98.0592,  
37.1437


 3.6920, 10.8018,  
0.6090


 79.4787, 125.8646,  
52.6577

 1.5294, 5.9337,  
0.0000

 103.3537,  
158.4843, 71.9825

 0.3457, 2.8048,  
0.0000

 131.5869,  
196.3028, 95.5369

 0.0000, 1.0307,  
0.0000

 164.5436,

 0.0000, 0.0000,

239.7044, 123.7392

0.0000

202.5892,  
289.0735, 157.0081

■ 20.2530, 39.6851,  
9.2819

■ 20.2530, 39.6851,  
9.2819

■ 20.2539, 39.6867,  
9.2828

■ 20.8881, 39.9728,  
11.1585

■ 21.9178, 40.4498,  
13.6377

■ 23.4515, 41.1728,  
16.7689

■ 25.5487, 42.1714,  
20.5946

■ 28.2602, 43.4711,  
25.1532

■ 31.6308, 45.0943,  
30.4806

■ 35.7012, 47.0612,  
36.6100

■ 40.5086, 49.3904,  
43.5729

■ 46.0877, 52.0991,  
51.3990

# Harmonies

## Analogous

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



29.1888, 39.6851, 3.1697



20.2530, 39.6851, 9.2819



16.4044, 39.6851, 30.1196

# Triad

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



20.2530, 39.6851, 9.2819



32.8181, 39.6851, 178.9514



70.6294, 39.6851, 21.7292

# Complementary

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



20.2530, 39.6851, 9.2819



28.1905, 13.9061, 29.6310

# 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.



72.3276, 39.6851, 59.6319



20.2530, 39.6851, 9.2819



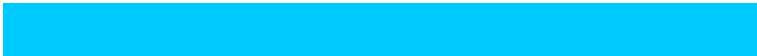
47.7687, 39.6851, 170.8851

# Square

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



20.2530, 39.6851, 9.2819



22.3212, 39.6851, 136.7112



63.1185, 39.6851, 118.8504



58.9436, 39.6851, 6.5045

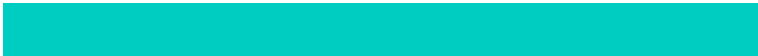


# Rectangle

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



20.2530, 39.6851, 9.2819



16.3466, 39.6851, 57.6253



63.1185, 39.6851, 118.8504



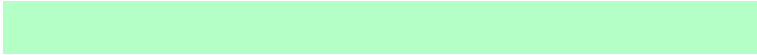
72.4833, 39.6851, 31.4252

# Sweetspot

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



20.2539, 39.6867, 9.2828



64.2955, 85.0684, 65.7623



32.3680, 45.9911, 7.1712



13.0576, 17.8676, 13.0257



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.



20.2539, 39.6867, 9.2828



36.6065, 71.8586, 16.3775



24.7546, 41.4870, 32.9830



10.0413, 11.2976, 11.2206



13.0422, 25.5109, 6.1154



0.5916, 1.1135, 0.4120



# Inverse Universe

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



28.1905, 13.9061, 29.6310



50.9602, 25.1481, 53.1159



23.3918, 11.9866, 4.3613



10.3907, 10.2049, 12.1478



18.1479, 8.9489, 19.2229

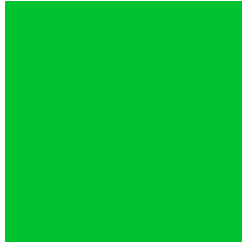


0.8096, 0.3969, 0.9650



# Previews

## White Background



This preview shows how the XYZ color 20.2530, 39.6851, 9.2819 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 20.2530, 39.6851, 9.2819 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

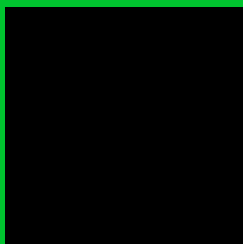
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 20.2530, 39.6851, 9.2819**

## **Background**



This preview shows how black text looks on a background with the XYZ color 20.2530, 39.6851, 9.2819.



This preview shows how white text looks on a background with the XYZ color 20.2530, 39.6851,



# 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

20.2530, 39.6851, 9.2819

### Protanopia

35.1247, 38.8498, 7.6550

### Deuteranopia

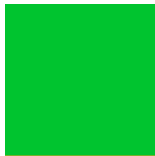
39.5621, 38.6994, 9.9420



## Tritanopia

30.5199, 39.6935, 59.4791

# Trichromacy



## Original Color

20.2530, 39.6851, 9.2819



## Protanomaly

24.1022, 36.0083, 7.9655



## Deuteranomaly

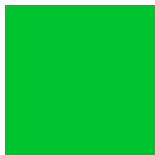
25.1639, 34.7870, 9.2592



## Tritanomaly

24.3573, 38.6797, 32.1688

# Monochromacy



## Original Color

20.2530, 39.6851, 9.2819



## Achromatopsia

17.8524, 18.7821, 20.4537



## Achromatomaly

15.5462, 23.5066, 14.0738

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 20.2530, 39.6851, 9.2819 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, 196, 47)` looks like.

```
.text, #text, p{  
    color:rgb(0, 196, 47)  
}
```

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, 196, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 47) }
```

## Border

The CSS property to change the border of an element to XYZ 20.2530, 39.6851, 9.2819 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, 196, 47) }
```



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

```
.border{ border-color:rgb(0, 196, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 196, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 196, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 196, 47);  
box-shadow:4px 4px 4px 4px rgb(0, 196, 47)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 20.2530, 39.6851, 9.2819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 196, 47) }
```

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

```
.background{ background-color: rgb(0, 196,  
47) }
```

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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