

# Converting Colors

XYZ(20.3351, 40.5517, 7.1437)

Have a look what the booklet for  
XYZ(20.3351, 40.5517, 7.1437)  
contains.

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# Color

**XYZ(20.2667, 40.4172,  
7.1139)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00C60D
RGB	0, 198, 13
RGB Percent	0%, 78%, 5%
CMY	1.0000, 0.2235, 0.9489
CMYK	1.00, 0.00, 0.93, 0.22
HSL	124°, 100%, 39%
HSV	124°, 100%, 78%
XYZ	20.2667, 40.4172, 7.1139
YIQ	117.7080, -58.6230, -99.5110

# Conversions

## Conversions Part 2

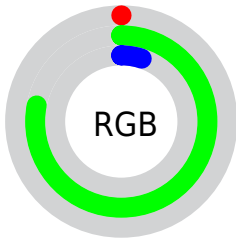
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 186, 198
Decimal	50701
CIELab	69.77, -70.97, 67.32
CIELCh	70, 97.818, 136.512
Yxy	40.4172, 0.2989, 0.5961
Android (android.graphics.Color)	4278240781 (0xFF00C60D)
YUV	117.7080, -51.6210, -103.2299
Hunter-Lab	63.5745, -54.3520, 37.8677

# Details

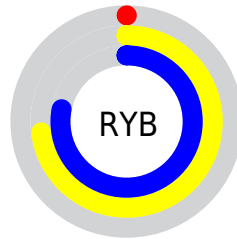
The XYZ color **20.2667, 40.4172, 7.1139** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **32.0450, 15.5084, 47.1950**, and the grayscale version is **17.2993, 18.2002, 19.8201**.

A 20% lighter version of the original color is **42.9538, 75.0437, 20.6085**, and **9.6730, 19.3460, 3.2243** is the 20% darker color. If you saturate the color by 10%, you get **20.2677, 40.4189, 7.1148**, and if you desaturate by 10%, it is **20.7335, 40.6381, 8.0835**.

# Distribution



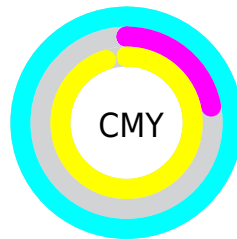
- Red (0%)
- Green (78%)
- Blue (5%)



- Red (0%)
- Yellow (73%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (93%)
- Black (22%)




- Cyan (100%)
- Magenta (22%)
- Yellow (95%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2667, 40.4172, 7.1139 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 20.2667, 40.4172, 7.1139 by changing the saturation by 10% instead.





 20.2667, 40.4172,  
7.1139


 20.2667, 40.4172,  
7.1139


246.1614,  
347.8789, 178.2735


 12.6984, 27.8640,  
3.4539


 43.3644, 75.7984,  
20.7187


 7.2968, 18.2231,  
1.3308


 59.6246, 99.3952,  
31.5007


 3.6964, 11.1103,  
0.0868


 79.5128, 127.4419,  
45.4937

 1.5318, 6.1411,  
0.0000

 103.3943,  
160.3230, 63.1163

 0.3473, 2.9311,  
0.0000

 131.6346,  
198.4228, 84.7870

 0.0000, 1.0958,  
0.0000

 164.5990,

 0.0000, 0.0000,

242.1258, 110.9244

0.0000

202.6528,  
291.8164, 141.9471

■ 20.2667, 40.4172,  
7.1139

■ 20.2667, 40.4172,  
7.1139

■ 20.2677, 40.4189,  
7.1148

■ 20.7335, 40.6381,  
8.0835

■ 21.6306, 41.0634,  
9.8054

■ 23.0815, 41.7555,  
12.3946

■ 25.1569, 42.7490,  
15.9450

■ 27.9168, 44.0730,  
20.5383

■ 31.4142, 45.7532,  
26.2475

■ 35.6968, 47.8129,  
33.1390

■ 40.8084, 50.2732,  
41.2741

■ 46.7895, 53.1540,  
50.7098

# Harmonies

## Analogous

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



30.3840, 40.4172, 2.1536



20.2667, 40.4172, 7.1139



15.7376, 40.4172, 26.6184

# Triad

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



20.2667, 40.4172, 7.1139



31.7325, 40.4172, 195.2743



75.6966, 40.4172, 23.5606

# Complementary

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



20.2667, 40.4172, 7.1139



32.0450, 15.5084, 47.1950

# 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.



76.3529, 40.4172, 67.6828



20.2667, 40.4172, 7.1139



47.7502, 40.4172, 192.0719

# Square

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



20.2667, 40.4172, 7.1139



21.0185, 40.4172, 142.6432



65.0584, 40.4172, 135.6260



63.4555, 40.4172, 6.1903

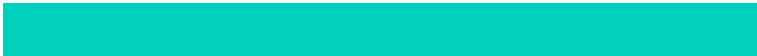


# Rectangle

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



20.2667, 40.4172, 7.1139



15.3848, 40.4172, 54.6729



65.0584, 40.4172, 135.6260



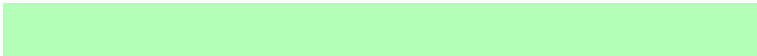
77.3761, 40.4172, 34.8279

# Sweetspot

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



20.2677, 40.4189, 7.1148



62.8376, 84.4852, 58.0848



40.9594, 51.0943, 7.7034



12.7236, 17.7340, 11.2674



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.



20.2677, 40.4189, 7.1148



35.8594, 71.5597, 12.4432



22.9499, 41.4918, 21.2395



10.5253, 11.8990, 11.4503



13.1916, 26.2890, 4.6875



0.6347, 1.2488, 0.2750



# Inverse Universe

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



32.0450, 15.5084, 47.1950



56.7070, 27.4468, 83.3781



25.0971, 12.7292, 10.6078



11.0518, 10.8041, 13.2562



20.8513, 10.0901, 30.7564

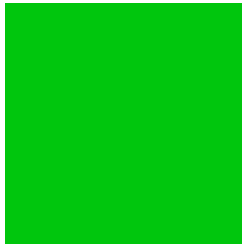


0.9966, 0.4815, 1.5053



# Previews

## White Background



This preview shows how the XYZ color 20.2667, 40.4172, 7.1139 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

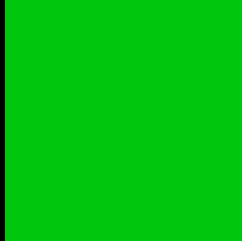
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 20.2667, 40.4172, 7.1139 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

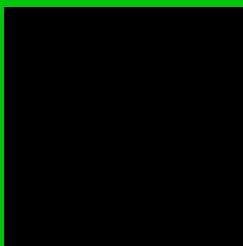
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

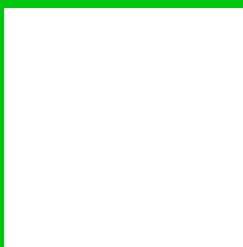
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 20.2667, 40.4172, 7.1139**

## **Background**



This preview shows how black text looks on a background with the XYZ color 20.2667, 40.4172, 7.1139.



This preview shows how white text looks on a background with the XYZ color 20.2667, 40.4172,



# 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

20.2667, 40.4172, 7.1139

### Protanopia

35.8606, 39.8258, 5.7971

### Deuteranopia

40.1768, 39.3205, 7.8549



## Tritanopia

31.0166, 40.2435, 60.1659

# Trichromacy



## Original Color

20.2667, 40.4172, 7.1139



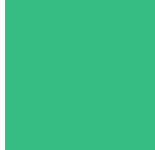
## Protanomaly

24.3747, 36.7910, 5.9603



## Deuteranomaly

25.4022, 35.5328, 6.9585



## Tritanomaly

23.7625, 38.7908, 27.7077

# Monochromacy



## Original Color

20.2667, 40.4172, 7.1139



## Achromatopsia

17.2197, 18.1164, 19.7288



## Achromatomaly

14.7833, 22.9425, 11.2386

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 20.2667, 40.4172, 7.1139 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, 13)` looks like.

```
.text, #text, p{  
    color:rgb(0, 198, 13)  
}
```

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, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 13) }
```

## Border

The CSS property to change the border of an element to XYZ 20.2667, 40.4172, 7.1139 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, 13) }
```



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

```
.border{ border-color:rgb(0, 198, 13) }
```

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, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 198, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 198, 13);  
box-shadow:4px 4px 4px 4px rgb(0, 198, 13)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 20.2667, 40.4172, 7.1139 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, 13) }
```

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

```
.background{ background-color: rgb(0, 198,  
13) }
```

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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