

# Converting Colors

XYZ(20.1210, 39.9948, 7.4690)

Have a look what the booklet for  
XYZ(20.1210, 39.9948, 7.4690)  
contains.

<b>XYZ(20.1209, 39.9944, 7.4698)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(20.1209, 39.9944,  
7.4698)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00C517
RGB	0, 197, 23
RGB Percent	0%, 77%, 9%
CMY	1.0000, 0.2274, 0.9098
CMYK	1.00, 0.00, 0.88, 0.23
HSL	127°, 100%, 39%
HSV	127°, 100%, 77%
XYZ	20.1209, 39.9944, 7.4698
YIQ	118.2610, -61.5580, -95.8780

# Conversions

## Conversions Part 2

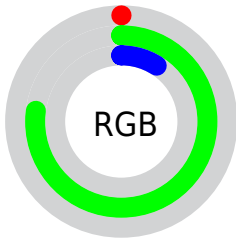
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 176, 197
Decimal	50455
CIELab	69.47, -70.39, 65.48
CIELCh	69, 96.140, 137.071
Yxy	39.9944, 0.2977, 0.5918
Android (android.graphics.Color)	4278240535 (0xFF00C517)
YUV	118.2610, -46.9637, -103.7149
Hunter-Lab	63.2411, -53.8801, 37.2657

# Details

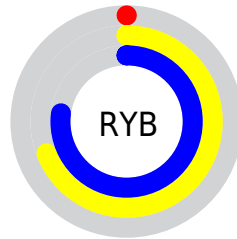
The XYZ color **20.1209, 39.9944, 7.4698** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **30.6661, 14.9265, 41.3052**, and the grayscale version is **17.4596, 18.3689, 20.0037**.

A 20% lighter version of the original color is **43.1150, 75.1081, 21.4574**, and **9.5249, 19.0498, 3.1750** is the 20% darker color. If you saturate the color by 10%, you get **20.1219, 39.9961, 7.4707**, and if you desaturate by 10%, it is **20.6395, 40.2358, 8.7228**.

# Distribution



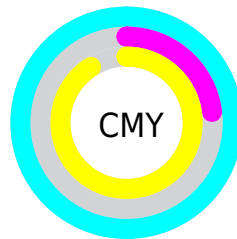
- Red (0%)
- Green (77%)
- Blue (9%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (88%)
- Black (23%)




- Cyan (100%)
- Magenta (23%)
- Yellow (91%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1209, 39.9944, 7.4698 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 20.1209, 39.9944, 7.4698 by changing the saturation by 10% instead.





 20.1209, 39.9944,  
7.4698


 20.1209, 39.9944,  
7.4698


245.3900,  
346.1000, 181.2886

 12.5917, 27.5342,  
3.6747


 43.1222, 75.1550,  
21.4410


 7.2231, 17.9748,  
1.4487


 59.3250, 98.6241,  
32.4543


 3.6496, 10.9319,  
0.1792


 79.1498, 126.5317,  
46.7107

 1.5059, 6.0211,  
0.0000

 102.9618,  
159.2621, 64.6287

 0.3298, 2.8579,  
0.0000

 131.1265,  
197.1998, 86.6270

 0.0000, 1.0580,  
0.0000

 164.0092,

 0.0000, 0.0000,

240.7290, 113.1241

0.0000

201.9752,  
290.2343, 144.5384

■ 20.1209, 39.9944,  
7.4698

■ 20.1209, 39.9944,  
7.4698

■ 20.1219, 39.9961,  
7.4707

■ 20.6395, 40.2358,  
8.7228

■ 21.5779, 40.6769,  
10.6918

■ 23.0539, 41.3779,  
13.4659

■ 25.1335, 42.3713,  
17.1190

■ 27.8733, 43.6848,  
21.7170

■ 31.3231, 45.3428,  
27.3191

■ 35.5281, 47.3675,  
33.9800

■ 40.5295, 49.7790,  
41.7503

■ 46.3657, 52.5961,  
50.6774

# Harmonies

## Analogous

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



29.9291, 39.9944, 2.3205



20.1209, 39.9944, 7.4698



15.7590, 39.9944, 27.1243

# Triad

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



20.1209, 39.9944, 7.4698



31.7356, 39.9944, 190.6455



74.1520, 39.9944, 23.0124

# Complementary

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



20.1209, 39.9944, 7.4698



30.6661, 14.9265, 41.3052

# 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.



75.0244, 39.9944, 65.5381



20.1209, 39.9944, 7.4698



47.4364, 39.9944, 186.4111

# Square

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



20.1209, 39.9944, 7.4698



21.1325, 39.9944, 140.5166



64.2340, 39.9944, 131.2192



62.1006, 39.9944, 6.2043

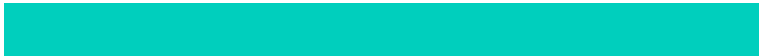


# Rectangle

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



20.1209, 39.9944, 7.4698



15.4671, 39.9944, 54.9041



64.2340, 39.9944, 131.2192



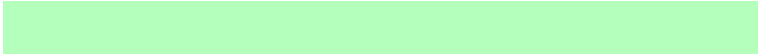
75.8586, 39.9944, 33.8753

# Sweetspot

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



20.1219, 39.9961, 7.4707



63.2514, 84.6508, 60.2642



37.4271, 48.9351, 7.4728



12.8178, 17.7717, 11.7633



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.



20.1219, 39.9961, 7.4707



35.9916, 71.6126, 13.1397



23.4481, 41.3266, 24.9867



10.5470, 11.9077, 11.5648



13.2508, 26.3127, 4.9994



0.6447, 1.2528, 0.3276



# Inverse Universe

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



30.6661, 14.9265, 41.3052



54.8598, 26.7079, 73.6510



24.3147, 12.3859, 7.8592



11.0277, 10.7945, 13.1291



20.1898, 9.8255, 27.2729

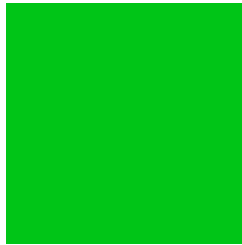


0.9715, 0.4714, 1.3730



# Previews

## White Background



This preview shows how the XYZ color 20.1209, 39.9944, 7.4698 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 20.1209, 39.9944, 7.4698 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 20.1209, 39.9944, 7.4698**

## **Background**



This preview shows how black text looks on a background with the XYZ color 20.1209, 39.9944, 7.4698.



This preview shows how white text looks on a background with the XYZ color 20.1209, 39.9944,

7.4698.

# 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

20.1209, 39.9944, 7.4698

### Protanopia

35.4895, 39.3496, 6.0726

### Deuteranopia

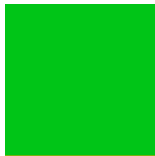
39.9683, 39.2039, 8.2569



## Tritanopia

30.6062, 39.7380, 59.4832

# Trichromacy



## Original Color

20.1209, 39.9944, 7.4698



## Protanomaly

24.0988, 36.3426, 6.2349



## Deuteranomaly

25.1413, 35.1020, 7.3697



## Tritanomaly

23.7025, 38.4177, 28.7204

# Monochromacy



## Original Color

20.1209, 39.9944, 7.4698



## Achromatopsia

17.2197, 18.1164, 19.7288



## Achromatomaly

14.8967, 22.9878, 11.8356

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 20.1209, 39.9944, 7.4698 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, 23)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 23)  
}
```

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, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 23) }
```

## Border

The CSS property to change the border of an element to XYZ 20.1209, 39.9944, 7.4698 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, 23) }
```



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

```
.border{ border-color:rgb(0, 197, 23) }
```

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, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 197, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 197, 23);  
box-shadow:4px 4px 4px 4px rgb(0, 197, 23)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 20.1209, 39.9944, 7.4698 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, 23) }
```

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

```
.background{ background-color: rgb(0, 197,  
23) }
```

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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