

# Converting Colors

XYZ(22.0434, 43.3659, 9.5700)

Have a look what the booklet for  
XYZ(22.0434, 43.3659, 9.5700)  
contains.

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# Color

**XYZ(22.0475, 43.3676,  
9.5916)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00CC2C
RGB	0, 204, 44
RGB Percent	0%, 80%, 17%
CMY	1.0000, 0.2000, 0.8274
CMYK	1.00, 0.00, 0.78, 0.20
HSL	133°, 100%, 40%
HSV	133°, 100%, 80%
XYZ	22.0475, 43.3676, 9.5916
YIQ	124.7640, -70.2240, -93.0080

# Conversions

## Conversions Part 2

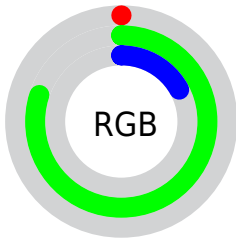
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	0, 168, 204
Decimal	52268
CIE <sub>Lab</sub>	71.80, -71.25, 62.40
CIE <sub>LCh</sub>	72, 94.708, 138.790
Yxy	43.3676, 0.2939, 0.5782
Android (android.graphics.Color)	4278242348 (0xFF00CC2C)
YUV	124.7640, -39.8167, -109.4180
Hunter-Lab	65.8541, -55.4841, 37.4623

# Details

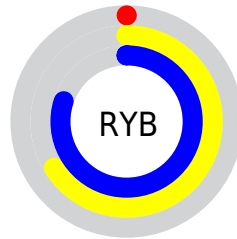
The XYZ color **22.0475, 43.3676, 9.5916** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **31.2480, 15.3760, 34.5785**, and the grayscale version is **19.5614, 20.5801, 22.4117**.

A 20% lighter version of the original color is **43.8672, 75.4224, 24.8163**, and **10.5899, 21.1798, 3.5300** is the 20% darker color. If you saturate the color by 10%, you get **22.0484, 43.3694, 9.5924**, and if you desaturate by 10%, it is **22.7063, 43.6668, 11.5077**.

# Distribution



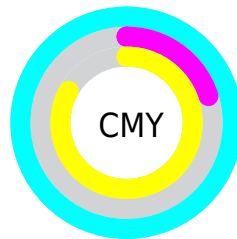
- Red (0%)
- Green (80%)
- Blue (17%)



- Red (0%)
- Yellow (66%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (78%)
- Black (20%)




- Cyan (100%)
- Magenta (20%)
- Yellow (83%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0475, 43.3676, 9.5916 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 22.0475, 43.3676, 9.5916 by changing the saturation by 10% instead.





 22.0475, 43.3676,  
9.5916


 22.0475, 43.3676,  
9.5916


255.4219,  
360.1213, 198.1096


 14.0086, 30.1736,  
5.0270


 46.3028, 80.2653,  
25.6201

 8.2084, 19.9704,  
2.2041


 63.2498, 104.7378,  
37.9212

 4.2815, 12.3736,  
0.6767


 83.8970, 133.7387,  
53.6381

 1.8626, 6.9986,  
0.0000

 108.6097,  
167.6522, 73.1894

 0.5550, 3.4612,  
0.0000

 137.7531,  
206.8628, 96.9936

 0.0000, 1.3770,  
0.0000

 171.6927,

 0.0000, 0.1997,

251.7550, 125.4694

0.0000

210.7939,  
302.7130, 159.0352

■ 0.0000, 0.0000,  
0.0000

■ 22.0475, 43.3676,  
9.5916

■ 22.0475, 43.3676,  
9.5916

■ 22.0484, 43.3694,  
9.5924

■ 22.7063, 43.6668,  
11.5077

■ 23.8051, 44.1768,  
14.1110

■ 25.4628, 44.9589,  
17.4626

■ 27.7462, 46.0465,  
21.6146

■ 30.7122, 47.4679,  
26.6144

■ 34.4113, 49.2483,  
32.5055

■ 38.8890, 51.4103,  
39.3287

■ 44.1871, 53.9745,  
47.1219

■ 50.3444, 56.9603,  
55.9213

# Harmonies

## Analogous

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



32.0342, 43.3676, 3.2008



22.0475, 43.3676, 9.5916



17.7066, 43.3676, 32.0012

# Triad

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



22.0475, 43.3676, 9.5916



35.4916, 43.3676, 198.4132



78.0036, 43.3676, 24.0403

# Complementary

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



22.0475, 43.3676, 9.5916



31.2480, 15.3760, 34.5785

# 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.



79.6346, 43.3676, 66.6297



22.0475, 43.3676, 9.5916



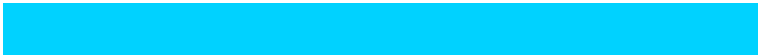
52.0118, 43.3676, 190.6220

# Square

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



22.0475, 43.3676, 9.5916



24.0089, 43.3676, 150.1921



69.1568, 43.3676, 132.9787



65.1526, 43.3676, 7.0044

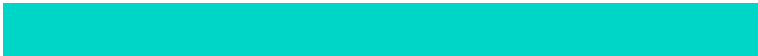


# Rectangle

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



22.0475, 43.3676, 9.5916



17.5777, 43.3676, 62.0983



69.1568, 43.3676, 132.9787



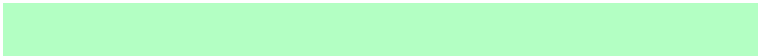
79.9873, 43.3676, 34.9309

# Sweetspot

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



22.0485, 43.3694, 9.5926



64.0855, 84.9844, 64.6566



36.7397, 50.9955, 7.9068



13.0091, 17.8482, 12.7706



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.



22.0485, 43.3694, 9.5926



36.4497, 71.7959, 15.5519



26.5368, 45.1647, 33.2276



11.1654, 12.5759, 12.4286



13.9055, 27.3075, 6.1873



0.7463, 1.4203, 0.4717



# Inverse Universe

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



31.2480, 15.3760, 34.5785



51.6648, 25.4299, 56.8262



25.7507, 13.1771, 5.6298



11.5799, 11.3607, 13.5884



19.7026, 9.6916, 21.9503

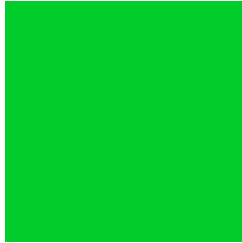


1.0429, 0.5106, 1.2718



# Previews

## White Background



This preview shows how the XYZ color 22.0475, 43.3676, 9.5916 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 22.0475, 43.3676, 9.5916 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

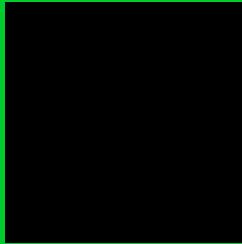
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 22.0475, 43.3676, 9.5916**

## **Background**



This preview shows how black text looks on a background with the XYZ color 22.0475, 43.3676, 9.5916.



This preview shows how white text looks on a background with the XYZ color 22.0475, 43.3676,



# 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

22.0475, 43.3676, 9.5916

### Protanopia

38.4289, 42.5293, 7.9338

### Deuteranopia

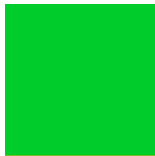
43.3920, 42.5148, 10.3340



## **Tritanopia**

33.0891, 43.1195, 64.3365

# Trichromacy



## Original Color

22.0475, 43.3676, 9.5916



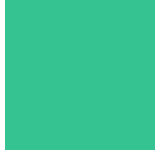
## Protanomaly

26.3994, 39.6310, 8.2656



## Deuteranomaly

27.6583, 38.4073, 9.5700



## Tritanomaly

26.1716, 41.8624, 33.8950

# Monochromacy



## Original Color

22.0475, 43.3676, 9.5916



## Achromatopsia

19.4927, 20.5079, 22.3331



## Achromatomaly

16.9752, 25.6612, 15.1248

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 22.0475, 43.3676, 9.5916 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, 204, 44)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 44)  
}
```

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, 204, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 44) }
```

## Border

The CSS property to change the border of an element to XYZ 22.0475, 43.3676, 9.5916 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, 204, 44) }
```



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

```
.border{ border-color:rgb(0, 204, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 204, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 44);  
box-shadow:4px 4px 4px 4px rgb(0, 204, 44)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 22.0475, 43.3676, 9.5916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 44) }
```

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

```
.background{ background-color: rgb(0, 204,  
44) }
```

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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