

Converting Colors

XYZ(21.7706, 43.2568, 8.1338)

Have a look what the booklet for
XYZ(21.7706, 43.2568, 8.1338)
contains.

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Color

**XYZ(21.7683, 43.2559,
8.1216)**

Conversions

Conversions Part 1

Format	Color
Hex	00CC19
RGB	0, 204, 25
RGB Percent	0%, 80%, 10%
CMY	1.0000, 0.2000, 0.9019
CMYK	1.00, 0.00, 0.88, 0.20
HSL	127°, 100%, 40%
HSV	127°, 100%, 80%
XYZ	21.7683, 43.2559, 8.1216
YIQ	122.5980, -64.1250, -98.9170

Conversions

Conversions Part 2

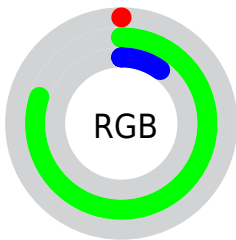
Format	Color
RYB	0, 182, 204
Decimal	52249
CIELab	71.73, -72.23, 67.07
CIELCh	72, 98.562, 137.121
Yxy	43.2559, 0.2976, 0.5914
Android (android.graphics.Color)	4278242329 (0xFF00CC19)
YUV	122.5980, -48.1158, -107.5184
Hunter-Lab	65.7692, -56.0162, 38.7169

Details

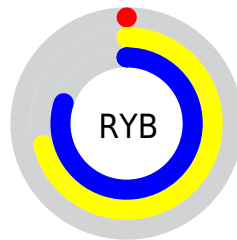
The XYZ color **21.7683, 43.2559, 8.1216** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **33.0387, 16.0922, 44.0083**, and the grayscale version is **18.8639, 19.8463, 21.6126**.

A 20% lighter version of the original color is **43.4312, 75.2614, 21.9107**, and **10.5899, 21.1798, 3.5300** is the 20% darker color. If you saturate the color by 10%, you get **21.7693, 43.2577, 8.1226**, and if you desaturate by 10%, it is **22.3248, 43.5142, 9.4994**.

Distribution



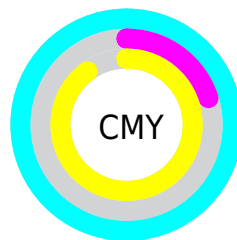
- Red (0%)
- Green (80%)
- Blue (10%)



- Red (0%)
- Yellow (71%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (88%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.7683, 43.2559, 8.1216 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 21.7683, 43.2559, 8.1216 by changing the saturation by 10% instead.


 21.7683, 43.2559,
8.1216


 21.7683, 43.2559,
8.1216


253.9891,
359.6631, 186.6528


 13.8024, 30.0860,
4.0840


 45.8445, 80.0969,
22.7466

 8.0641, 19.9038,
1.6715


 62.6854, 104.5367,
34.1710

 4.1882, 12.3252,
0.3411


 83.2155, 133.5019,
48.8948

 1.8091, 6.9655,
0.0000

 107.7999,
167.3770, 67.3364

 0.5232, 3.4406,
0.0000

 136.8041,
206.5462, 89.9145

 0.0000, 1.3658,
0.0000

 170.5935,

 0.0000, 0.1913,

251.3941, 117.0476

0.0000

209.5334,
302.3049, 149.1542

■ 0.0000, 0.0000,
0.0000

■ 21.7683, 43.2559,
8.1216

■ 21.7683, 43.2559,
8.1216

■ 21.7693, 43.2577,
8.1226

■ 22.3248, 43.5142,
9.4994

■ 23.3375, 43.9897,
11.6490

■ 24.9313, 44.7462,
14.6647

■ 27.1783, 45.8193,
18.6253

■ 30.1397, 47.2389,
23.6010

■ 33.8696, 49.0316,
29.6550

■ 38.4170, 51.2214,
36.8455

■ 43.8266, 53.8302,
45.2265

■ 50.1400, 56.8785,
54.8486

Harmonies

Analogous

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



32.3567, 43.2559, 2.5287



21.7683, 43.2559, 8.1216



17.0623, 43.2559, 29.4130

Triad

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



21.7683, 43.2559, 8.1216



34.3561, 43.2559, 205.9414



80.1261, 43.2559, 24.8603

Complementary

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



21.7683, 43.2559, 8.1216



33.0387, 16.0922, 44.0083

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.



81.0910, 43.2559, 70.7448



21.7683, 43.2559, 8.1216



51.3226, 43.2559, 201.2602

Square

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



21.7683, 43.2559, 8.1216



22.8884, 43.2559, 151.9128



69.4580, 43.2559, 141.6325



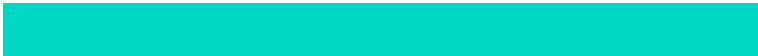
67.0981, 43.2559, 6.7181

Rectangle

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



21.7683, 43.2559, 8.1216



16.7522, 43.2559, 59.4592



69.4580, 43.2559, 141.6325



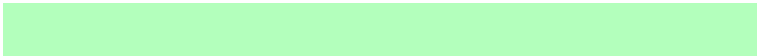
81.9761, 43.2559, 36.5815

Sweetspot

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



21.7693, 43.2577, 8.1226



63.2991, 84.6699, 60.5154



40.4635, 52.9152, 8.0810



12.8287, 17.7760, 11.8206



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.



21.7693, 43.2577, 8.1226



36.0108, 71.6203, 13.2408



25.3469, 44.6887, 26.9617



11.1231, 12.5590, 12.2055



13.7200, 27.2333, 5.2104



0.7268, 1.4125, 0.3690

Inverse Universe

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



33.0387, 16.0922, 44.0083



54.6587, 26.6275, 72.5922



26.2852, 13.3908, 8.4449



11.6260, 11.3791, 13.8313



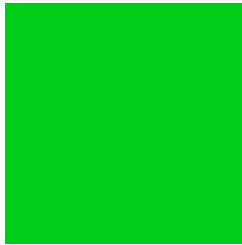
20.8175, 10.1376, 27.8211



1.0910, 0.5298, 1.5251

Previews

White Background



This preview shows how the XYZ color 21.7683, 43.2559, 8.1216 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 21.7683, 43.2559, 8.1216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

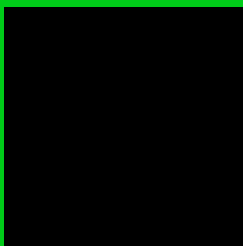
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

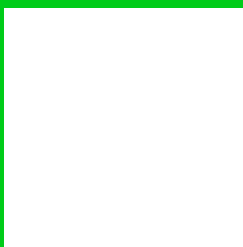
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.7683, 43.2559, 8.1216

Background



This preview shows how black text looks on a background with the XYZ color 21.7683, 43.2559, 8.1216.



This preview shows how white text looks on a background with the XYZ color 21.7683, 43.2559,

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

21.7683, 43.2559, 8.1216

Protanopia

38.4352, 42.5620, 6.6050

Deuteranopia

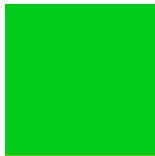
43.2443, 42.2006, 8.8839



Tritanopia

33.1792, 43.1660, 64.3407

Trichromacy



Original Color

21.7683, 43.2559, 8.1216



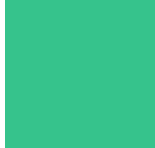
Protanomaly

26.1255, 39.5215, 6.8237



Deuteranomaly

27.1678, 37.8893, 7.9793



Tritanomaly

25.7701, 41.7079, 31.5032

Monochromacy



Original Color

21.7683, 43.2559, 8.1216



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

16.0904, 24.7643, 12.9488

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7683, 43.2559, 8.1216 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, 25)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 25)  
}
```

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, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 25) }
```

Border

The CSS property to change the border of an element to XYZ 21.7683, 43.2559, 8.1216 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, 25) }
```


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

```
.border{ border-color:rgb(0, 204, 25) }
```

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, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 25);  
box-shadow:4px 4px 4px 4px rgb(0, 204, 25)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.7683, 43.2559, 8.1216 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, 25) }
```

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

```
.background{ background-color: rgb(0, 204,  
25) }
```

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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