

Converting Colors

XYZ(21.7838, 43.2621, 8.2032)

Have a look what the booklet for
XYZ(21.7838, 43.2621, 8.2032)
contains.

XYZ(21.7793, 43.2603, 8.1795)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.7793, 43.2603,
8.1795)**

Conversions

Conversions Part 1

Format	Color
Hex	00CC1A
RGB	0, 204, 26
RGB Percent	0%, 80%, 10%
CMY	1.0000, 0.2000, 0.8980
CMYK	1.00, 0.00, 0.87, 0.20
HSL	128°, 100%, 40%
HSV	128°, 100%, 80%
XYZ	21.7793, 43.2603, 8.1795
YIQ	122.7120, -64.4460, -98.6060

Conversions

Conversions Part 2

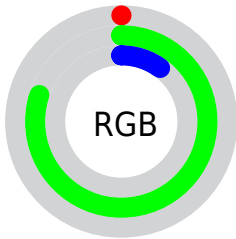
Format	Color
RYB	0, 181, 204
Decimal	52250
CIELab	71.73, -72.19, 66.87
CIELCh	72, 98.401, 137.189
Yxy	43.2603, 0.2975, 0.5908
Android (android.graphics.Color)	4278242330 (0xFF00CC1A)
YUV	122.7120, -47.6790, -107.6184
Hunter-Lab	65.7726, -55.9952, 38.6675

Details

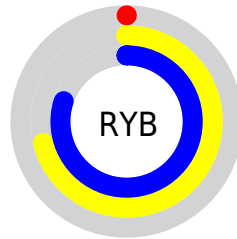
The XYZ color **21.7793, 43.2603, 8.1795** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **32.9379, 16.0519, 43.4773**, and the grayscale version is **18.9003, 19.8846, 21.6543**.

A 20% lighter version of the original color is **43.4740, 75.2786, 22.1364**, and **10.5899, 21.1798, 3.5300** is the 20% darker color. If you saturate the color by 10%, you get **21.7803, 43.2621, 8.1805**, and if you desaturate by 10%, it is **22.3415, 43.5209, 9.5872**.

Distribution



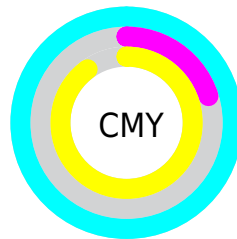
- Red (0%)
- Green (80%)
- Blue (10%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (87%)
- Black (20%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.7793, 43.2603, 8.1795 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 21.7793, 43.2603, 8.1795 by changing the saturation by 10% instead.


 21.7793, 43.2603,
8.1795


 21.7793, 43.2603,
8.1795


254.0456,
359.6812, 187.1201


 13.8105, 30.0894,
4.1206


 45.8625, 80.1035,
22.8615


 8.0698, 19.9065,
1.6917


 62.7077, 104.5446,
34.3218

 4.1918, 12.3271,
0.3551


 83.2423, 133.5113,
49.0862

 1.8112, 6.9668,
0.0000

 107.8319,
167.3878, 67.5733

 0.5244, 3.4414,
0.0000

 136.8416,
206.5587, 90.2018

 0.0000, 1.3663,
0.0000

 170.6369,

 0.0000, 0.1917,

251.4083, 117.3900

0.0000

209.5831,
302.3210, 149.5566

■ 0.0000, 0.0000,
0.0000

■ 21.7793, 43.2603,
8.1795

■ 21.7793, 43.2603,
8.1795

■ 21.7803, 43.2621,
8.1805

■ 22.3415, 43.5209,
9.5872

■ 23.3591, 43.9983,
11.7630

■ 24.9568, 44.7565,
14.7991

■ 27.2063, 45.8305,
18.7726

■ 30.1684, 47.2503,
23.7522

■ 33.8972, 49.0426,
29.8001

■ 38.4412, 51.2311,
36.9733

■ 43.8453, 53.8377,
45.3249

■ 50.1507, 56.8828,
54.9047

Harmonies

Analogous

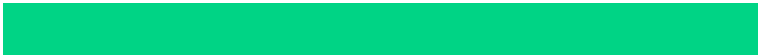
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.3426, 43.2603, 2.5545



21.7793, 43.2603, 8.1795



17.0884, 43.2603, 29.5183

Triad

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



21.7793, 43.2603, 8.1795



34.4030, 43.2603, 205.6278



80.0371, 43.2603, 24.8245

Complementary

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



21.7793, 43.2603, 8.1795



32.9379, 16.0519, 43.4773

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.



81.0306, 43.2603, 70.5686



21.7793, 43.2603, 8.1795



51.3516, 43.2603, 200.8113

Square

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



21.7793, 43.2603, 8.1795



22.9342, 43.2603, 151.8444



69.4460, 43.2603, 141.2644



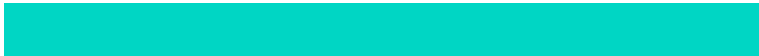
67.0160, 43.2603, 6.7293

Rectangle

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



21.7793, 43.2603, 8.1795



16.7857, 43.2603, 59.5690



69.4460, 43.2603, 141.2644



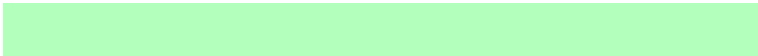
81.8930, 43.2603, 36.5103

Sweetspot

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



21.7803, 43.2621, 8.1805



63.3396, 84.6861, 60.7286



40.4635, 52.9152, 8.0810



12.8380, 17.7797, 11.8693



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.



21.7803, 43.2621, 8.1805



36.0278, 71.6271, 13.3300



25.3469, 44.6887, 26.9617



11.1253, 12.5599, 12.2172



13.7274, 27.2363, 5.2496



0.7279, 1.4130, 0.3744

Inverse Universe

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



32.9379, 16.0519, 43.4773



54.4900, 26.5600, 71.7034



26.2852, 13.3908, 8.4449



11.6236, 11.3782, 13.8184



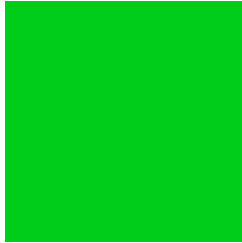
20.7547, 10.1125, 27.4909



1.0883, 0.5287, 1.5111

Previews

White Background



This preview shows how the XYZ color 21.7793, 43.2603, 8.1795 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 21.7793, 43.2603, 8.1795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

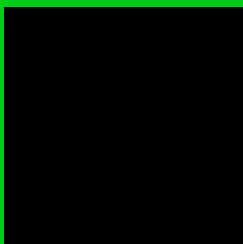
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.7793, 43.2603, 8.1795

Background



This preview shows how black text looks on a background with the XYZ color 21.7793, 43.2603, 8.1795.



This preview shows how white text looks on a background with the XYZ color 21.7793, 43.2603,

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

21.7793, 43.2603, 8.1795

Protanopia

38.4495, 42.5677, 6.6801

Deuteranopia

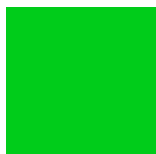
43.2443, 42.2006, 8.8839



Tritanopia

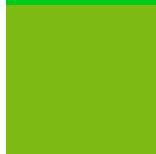
33.1792, 43.1660, 64.3407

Trichromacy



Original Color

21.7793, 43.2603, 8.1795



Protanomaly

26.1426, 39.5283, 6.9137



Deuteranomaly

27.1678, 37.8893, 7.9793



Tritanomaly

25.7701, 41.7079, 31.5032

Monochromacy



Original Color

21.7793, 43.2603, 8.1795



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

16.1316, 24.7808, 13.1655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7793, 43.2603, 8.1795 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, 26)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 26)  
}
```

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, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 26) }
```

Border

The CSS property to change the border of an element to XYZ 21.7793, 43.2603, 8.1795 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, 26) }
```


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

```
.border{ border-color:rgb(0, 204, 26) }
```

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, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 26);  
box-shadow:4px 4px 4px 4px rgb(0, 204, 26)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.7793, 43.2603, 8.1795 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, 26) }
```

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

```
.background{ background-color: rgb(0, 204,  
26) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor