

Converting Colors

XYZ(20.7574, 40.9804, 8.5663)

Have a look what the booklet for
XYZ(20.7574, 40.9804, 8.5663)
contains.

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Color

**XYZ(20.7574, 40.9804,
8.5663)**

Conversions

Conversions Part 1

Format	Color
Hex	00C725
RGB	0, 199, 37
RGB Percent	0%, 78%, 15%
CMY	1.0000, 0.2196, 0.8549
CMYK	1.00, 0.00, 0.81, 0.22
HSL	131°, 100%, 39%
HSV	131°, 100%, 78%
XYZ	20.7574, 40.9804, 8.5663
YIQ	121.0310, -66.6020, -92.5700

Conversions

Conversions Part 2

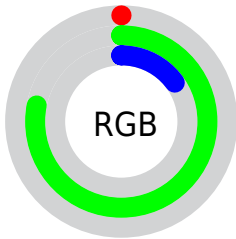
Format	Color
RYB	0, 168, 199
Decimal	50981
CIELab	70.16, -70.29, 62.86
CIELCh	70, 94.293, 138.194
Yxy	40.9804, 0.2953, 0.5829
Android (android.graphics.Color)	4278241061 (0xFF00C725)
YUV	121.0310, -41.4273, -106.1442
Hunter-Lab	64.0159, -54.1486, 36.8773

Details

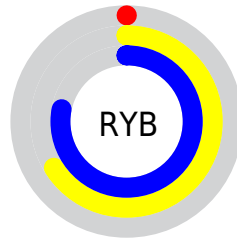
The XYZ color **20.7574, 40.9804, 8.5663** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **30.0759, 14.7514, 35.4453**, and the grayscale version is **18.3308, 19.2854, 21.0018**.

A 20% lighter version of the original color is **43.4648, 75.2481, 23.2998**, and **9.8225, 19.6449, 3.2742** is the 20% darker color. If you saturate the color by 10%, you get **20.7582, 40.9820, 8.5668**, and if you desaturate by 10%, it is **21.3582, 41.2551, 10.2307**.

Distribution



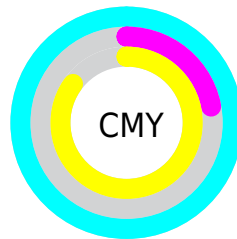
- Red (0%)
- Green (78%)
- Blue (15%)



- Red (0%)
- Yellow (66%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (81%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.7574, 40.9804, 8.5663 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 20.7574, 40.9804, 8.5663 by changing the saturation by 10% instead.


 20.7574, 40.9804,
8.5663


 20.7574, 40.9804,
8.5663


248.7426,
350.2387, 190.2061


 13.0582, 28.3038,
4.3665


 44.1778, 76.6541,
23.6256

 7.5459, 18.5548,
1.8285


 60.6297, 100.4200,
35.3222

 3.8551, 11.3490,
0.4466


 80.7298, 128.6511,
50.3547

 1.6205, 6.3021,
0.0000

 104.8437,
161.7319, 69.1418

 0.4057, 3.0296,
0.0000

 133.3365,
200.0466, 92.1019

 0.0000, 1.1472,
0.0000

 166.5737,

 0.0000, 0.0180,

243.9797, 119.6536

0.0000

204.9206,
293.9156, 152.2155

■ 0.0000, 0.0000,
0.0000

■ 20.7574, 40.9804,
8.5663

■ 20.7574, 40.9804,
8.5663

■ 20.7582, 40.9820,
8.5668

■ 21.3582, 41.2551,
10.2307

■ 22.3787, 41.7305,
12.5723

■ 23.9341, 42.4656,
15.6569

■ 26.0883, 43.4924,
19.5406

■ 28.8961, 44.8380,
24.2739

■ 32.4058, 46.5264,
29.9032

■ 36.6614, 48.5792,
36.4715

■ 41.7028, 51.0164,
44.0191

■ 47.5674, 53.8562,
52.5837

Harmonies

Analogous

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



30.4024, 40.9804, 2.7920



20.7574, 40.9804, 8.5663



16.5297, 40.9804, 29.3962

Triad

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



20.7574, 40.9804, 8.5663



33.1904, 40.9804, 190.1637



74.4798, 40.9804, 23.0019

Complementary

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



20.7574, 40.9804, 8.5663



30.0759, 14.7514, 35.4453

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.



75.8057, 40.9804, 64.3605



20.7574, 40.9804, 8.5663



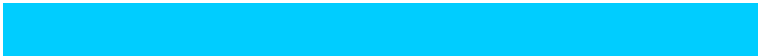
48.9675, 40.9804, 183.7953

Square

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



20.7574, 40.9804, 8.5663



22.3321, 40.9804, 142.6457



65.5143, 40.9804, 128.6058



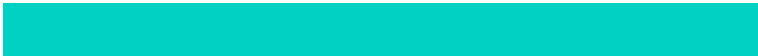
62.2636, 40.9804, 6.5260

Rectangle

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



20.7574, 40.9804, 8.5663



16.3470, 40.9804, 57.8585



65.5143, 40.9804, 128.6058



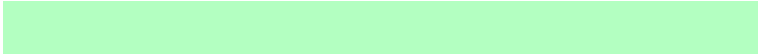
76.3131, 40.9804, 33.5737

Sweetspot

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



20.7584, 40.9821, 8.5672



63.8300, 84.8822, 63.3108



35.4305, 48.5845, 7.5105



12.9503, 17.8247, 12.4609



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.



20.7584, 40.9821, 8.5672



36.2815, 71.7286, 14.6662



24.8674, 42.6257, 30.2049



10.5767, 11.9196, 11.7211



13.3715, 26.3610, 5.6350



0.6582, 1.2582, 0.3988

Inverse Universe

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



30.0759, 14.7514, 35.4453



52.5741, 25.7937, 61.6147



24.4520, 12.5019, 5.8302



10.9952, 10.7815, 12.9582



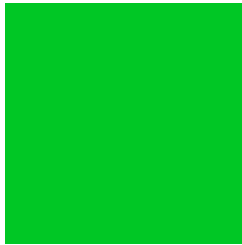
19.3688, 9.4971, 22.9498



0.9397, 0.4587, 1.2054

Previews

White Background



This preview shows how the XYZ color 20.7574, 40.9804, 8.5663 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 20.7574, 40.9804, 8.5663 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 20.7574, 40.9804, 8.5663

Background



This preview shows how black text looks on a background with the XYZ color 20.7574, 40.9804, 8.5663.



This preview shows how white text looks on a background with the XYZ color 20.7574, 40.9804,

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

20.7574, 40.9804, 8.5663

Protanopia

36.5229, 40.4210, 7.0395

Deuteranopia

41.0747, 40.2723, 9.3498



Tritanopia

31.3416, 40.7071, 60.8490

Trichromacy



Original Color

20.7574, 40.9804, 8.5663



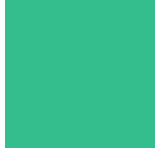
Protanomaly

24.8106, 37.2896, 7.2565



Deuteranomaly

26.0377, 36.1159, 8.5045



Tritanomaly

24.6894, 39.5069, 31.5236

Monochromacy



Original Color

20.7574, 40.9804, 8.5663



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

15.6535, 23.8109, 13.4438

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7574, 40.9804, 8.5663 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, 199, 37)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 37)  
}
```

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, 199, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 37) }
```

Border

The CSS property to change the border of an element to XYZ 20.7574, 40.9804, 8.5663 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, 199, 37) }
```


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

```
.border{ border-color:rgb(0, 199, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 199, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 37);  
box-shadow:4px 4px 4px 4px rgb(0, 199, 37)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.7574, 40.9804, 8.5663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 37) }
```

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

```
.background{ background-color: rgb(0, 199,  
37) }
```

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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