

Converting Colors

XYZ(20.7132, 40.9260, 8.4472)

Have a look what the booklet for
XYZ(20.7132, 40.9260, 8.4472)
contains.

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Color

**XYZ(20.7419, 40.9742,
8.4847)**

Conversions

Conversions Part 1

Format	Color
Hex	00C724
RGB	0, 199, 36
RGB Percent	0%, 78%, 14%
CMY	1.0000, 0.2196, 0.8588
CMYK	1.00, 0.00, 0.82, 0.22
HSL	131°, 100%, 39%
HSV	131°, 100%, 78%
XYZ	20.7419, 40.9742, 8.4847
YIQ	120.9170, -66.2810, -92.8810

Conversions

Conversions Part 2

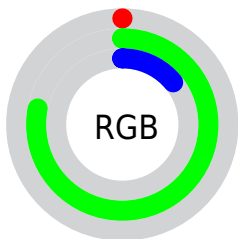
Format	Color
RYB	0, 169, 199
Decimal	50980
CIELab	70.16, -70.34, 63.12
CIELCh	70, 94.512, 138.096
Yxy	40.9742, 0.2955, 0.5837
Android (android.graphics.Color)	4278241060 (0xFF00C724)
YUV	120.9170, -41.8641, -106.0442
Hunter-Lab	64.0111, -54.1790, 36.9488

Details

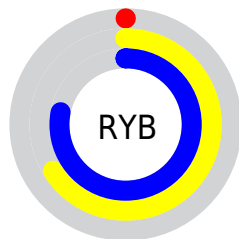
The XYZ color **20.7419, 40.9742, 8.4847** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **30.1651, 14.7871, 35.9152**, and the grayscale version is **18.2950, 19.2478, 20.9609**.

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 **20.7427, 40.9758, 8.4852**, and if you desaturate by 10%, it is **21.3376, 41.2469, 10.1222**.

Distribution



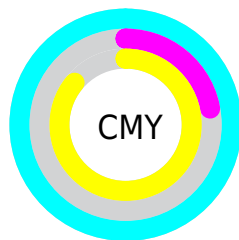
- Red (0%)
- Green (78%)
- Blue (14%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (82%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.7419, 40.9742, 8.4847 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 20.7419, 40.9742, 8.4847 by changing the saturation by 10% instead.


 20.7419, 40.9742,
8.4847


 20.7419, 40.9742,
8.4847


248.6614,
350.2128, 189.5601


 13.0469, 28.2989,
4.3144


 44.1521, 76.6447,
23.4650


 7.5380, 18.5511,
1.7994


 60.5980, 100.4088,
35.1121

 3.8501, 11.3464,
0.4275


 80.6915, 128.6379,
50.0885

 1.6177, 6.3003,
0.0000

 104.7980,
161.7164, 68.8129

 0.4039, 3.0285,
0.0000

 133.2829,
200.0287, 91.7037

 0.0000, 1.1467,
0.0000

 166.5116,

 0.0000, 0.0175,

243.9593, 119.1795

0.0000

204.8493,
293.8925, 151.6588

■ 0.0000, 0.0000,
0.0000

■ 20.7419, 40.9742,
8.4847

■ 20.7419, 40.9742,
8.4847

■ 20.7427, 40.9758,
8.4852

■ 21.3376, 41.2469,
10.1222

■ 22.3539, 41.7205,
12.4414

■ 23.9061, 42.4544,
15.5098

■ 26.0586, 43.4805,
19.3847

■ 28.8664, 44.8261,
24.1177

■ 32.3779, 46.5152,
29.7561

■ 36.6371, 48.5695,
36.3439

■ 41.6843, 51.0089,
43.9219

■ 47.5568, 53.8519,
52.5288

Harmonies

Analogous

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



30.4198, 40.9742, 2.7545



20.7419, 40.9742, 8.4847



16.4942, 40.9742, 29.2537

Triad

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



20.7419, 40.9742, 8.4847



33.1281, 40.9742, 190.5760



74.5959, 40.9742, 23.0463

Complementary

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



20.7419, 40.9742, 8.4847



30.1651, 14.7871, 35.9152

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.



75.8855, 40.9742, 64.5843



20.7419, 40.9742, 8.4847



48.9299, 40.9742, 184.3760

Square

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



20.7419, 40.9742, 8.4847



22.2704, 40.9742, 142.7410



65.5309, 40.9742, 129.0772



62.3698, 40.9742, 6.5101

Rectangle

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



20.7419, 40.9742, 8.4847



16.3015, 40.9742, 57.7139



65.5309, 40.9742, 129.0772



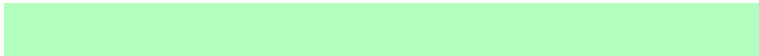
76.4219, 40.9742, 33.6633

Sweetspot

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



20.7429, 40.9759, 8.4856



63.7872, 84.8651, 63.0857



36.1160, 48.9379, 7.5426



12.9405, 17.8207, 12.4092



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.



20.7429, 40.9759, 8.4856



36.2558, 71.7183, 14.5308



24.6352, 42.5328, 28.9826



10.5745, 11.9187, 11.7097



13.3611, 26.3568, 5.5800



0.6572, 1.2578, 0.3936

Inverse Universe

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



30.1651, 14.7871, 35.9152



52.7320, 25.8568, 62.4461



24.5476, 12.5401, 6.3334



10.9976, 10.7824, 12.9706



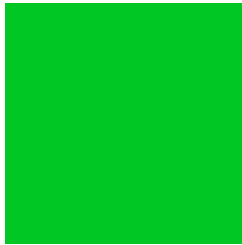
19.4256, 9.5198, 23.2489



0.9419, 0.4596, 1.2172

Previews

White Background



This preview shows how the XYZ color 20.7419, 40.9742, 8.4847 looks on a white background.

Color Contrast Check

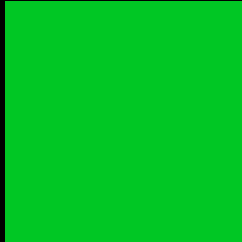
Large Text (above 18pt) WCAG AA × Fail

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 20.7419, 40.9742, 8.4847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

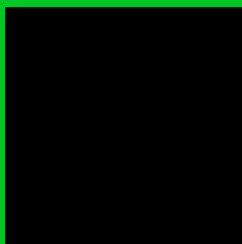
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.7419, 40.9742, 8.4847

Background



This preview shows how black text looks on a background with the XYZ color 20.7419, 40.9742, 8.4847.



This preview shows how white text looks on a background with the XYZ color 20.7419, 40.9742,

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

20.7419, 40.9742, 8.4847

Protanopia

36.5107, 40.4161, 6.9754

Deuteranopia

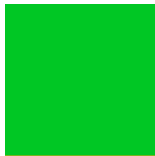
41.0505, 40.2626, 9.2223



Tritanopia

31.3416, 40.7071, 60.8490

Trichromacy



Original Color

20.7419, 40.9742, 8.4847



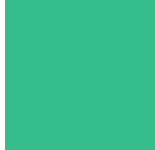
Protanomaly

24.7972, 37.2843, 7.1860



Deuteranomaly

26.0168, 36.1076, 8.3945



Tritanomaly

24.6153, 39.4772, 31.1335

Monochromacy



Original Color

20.7419, 40.9742, 8.4847



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 20.7419, 40.9742, 8.4847 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, 36)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 36)  
}
```

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, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 36) }
```

Border

The CSS property to change the border of an element to XYZ 20.7419, 40.9742, 8.4847 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, 36) }
```


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

```
.border{ border-color:rgb(0, 199, 36) }
```

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, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 36);  
box-shadow:4px 4px 4px 4px rgb(0, 199, 36)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.7419, 40.9742, 8.4847 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, 36) }
```

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

```
.background{ background-color: rgb(0, 199,  
36) }
```

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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