

Converting Colors

XYZ(20.6480, 40.9285, 6.8117)

Have a look what the booklet for
XYZ(20.6480, 40.9285, 6.8117)
contains.

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Color

**XYZ(20.6729, 40.9754,
6.8195)**

Conversions

Conversions Part 1

Format	Color
Hex	12C700
RGB	18, 199, 0
RGB Percent	7%, 78%, 0%
CMY	0.9294, 0.2196, 0.9999
CMYK	0.91, 0.00, 1.00, 0.22
HSL	115°, 100%, 39%
HSV	115°, 100%, 78%
XYZ	20.6729, 40.9754, 6.8195
YIQ	122.1950, -43.9970, -100.2610

Conversions

Conversions Part 2

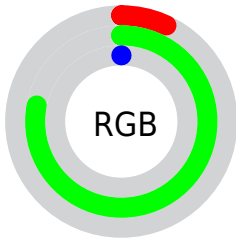
Format	Color
RYB	0, 199, 181
Decimal	1230592
CIELab	70.16, -70.68, 69.12
CIELCh	70, 98.862, 135.638
Yxy	40.9754, 0.3019, 0.5985
Android (android.graphics.Color)	4279420672 (0xFF12C700)
YUV	122.1950, -60.2421, -91.3790
Hunter-Lab	64.0120, -54.3739, 38.4920

Details

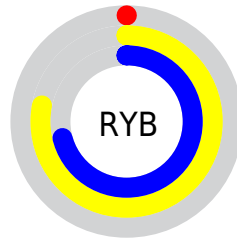
The XYZ color **20.6729, 40.9754, 6.8195** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **29.3711, 13.9508, 55.1797**, and the grayscale version is **18.7657, 19.7430, 21.5001**.

A 20% lighter version of the original color is **43.3923, 75.2873, 19.8343**, and **9.8225, 19.6449, 3.2742** is the 20% darker color. If you saturate the color by 10%, you get **20.6733, 40.9768, 6.8197**, and if you desaturate by 10%, it is **21.2810, 41.2756, 7.5036**.

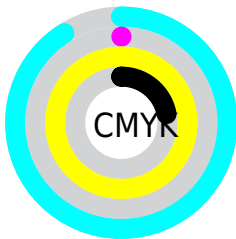
Distribution



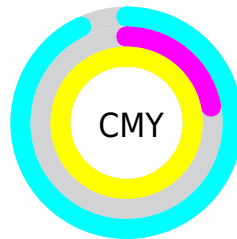
- Red (7%)
- Green (78%)
- Blue (0%)



- Red (0%)
- Yellow (78%)
- Blue (71%)



- Cyan (91%)
- Magenta (0%)
- Yellow (100%)
- Black (22%)





- Cyan (93%)
- Magenta (22%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.6729, 40.9754, 6.8195 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 20.6729, 40.9754, 6.8195 by changing the saturation by 10% instead.


 20.6729, 40.9754,
6.8195


 20.6729, 40.9754,
6.8195


248.2997,
350.2178, 175.7290


 12.9962, 28.2999,
3.2727


 44.0379, 76.6465,
20.1158

 7.5029, 18.5518,
1.2355


 60.4569, 100.4110,
30.7024

 3.8277, 11.3469,
0.0081


 80.5208, 128.6404,
44.4728

 1.6051, 6.3007,
0.0000

 104.5948,
161.7194, 61.8454

 0.3957, 3.0288,
0.0000

 133.0443,
200.0322, 83.2387

 0.0000, 1.1468,
0.0000

 166.2348,

 0.0000, 0.0176,

243.9633, 109.0714

0.0000

204.5315,
293.8970, 139.7620

■ 0.0000, 0.0000,
0.0000

■ 20.6729, 40.9754,
6.8195

■ 20.6729, 40.9754,
6.8195

■ 20.6733, 40.9768,
6.8197

■ 21.2810, 41.2756,
7.5036

■ 22.3367, 41.7905,
8.8809

■ 23.9282, 42.5614,
11.1909

■ 26.1150, 43.6164,
14.5593

■ 28.9486, 44.9798,
19.0927

■ 32.4749, 46.6732,
24.8843

■ 36.7357, 48.7162,
32.0181

■ 41.7694, 51.1271,
40.5709

■ 47.6116, 53.9226,
50.6136

Harmonies

Analogous

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



31.1492, 40.9754, 2.0663



20.6729, 40.9754, 6.8195



15.9174, 40.9754, 25.9665

Triad

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



20.6729, 40.9754, 6.8195



31.7290, 40.9754, 198.4987



77.2320, 40.9754, 24.6541

Complementary

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



20.6729, 40.9754, 6.8195



29.3711, 13.9508, 55.1797

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.



77.5152, 40.9754, 70.5592



20.6729, 40.9754, 6.8195



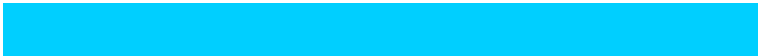
47.9458, 40.9754, 197.1137

Square

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



20.6729, 40.9754, 6.8195



20.9955, 40.9754, 143.4057



65.6830, 40.9754, 140.3736



64.9918, 40.9754, 6.4265

Rectangle

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



20.6729, 40.9754, 6.8195



15.4692, 40.9754, 53.9506



65.6830, 40.9754, 140.3736



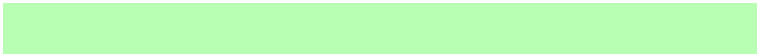
78.8225, 40.9754, 36.4242

Sweetspot

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



20.6738, 40.9771, 6.8204



63.9534, 85.1201, 55.4423



39.6955, 44.4251, 6.4834



12.9765, 17.8778, 10.6699



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.



20.6738, 40.9771, 6.8204



36.1143, 71.7026, 11.9366



21.8583, 41.4221, 14.3583



10.5849, 11.9329, 11.3082



13.3256, 26.3649, 4.3866



0.6622, 1.2645, 0.2092

Inverse Universe

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



29.3711, 13.9508, 55.1797



51.3153, 24.3689, 96.6068



26.9089, 13.4849, 18.7672



10.9850, 10.7660, 13.4166



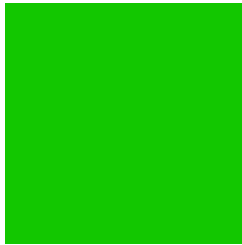
18.9238, 8.9898, 35.4822



0.9244, 0.4403, 1.6814

Previews

White Background



This preview shows how the XYZ color 20.6729, 40.9754, 6.8195 looks on a white background.

Color Contrast Check

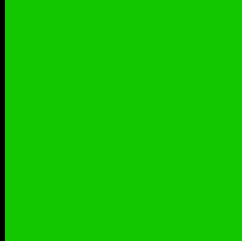
Large Text (above 18pt) WCAG AA × Fail

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 20.6729, 40.9754, 6.8195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

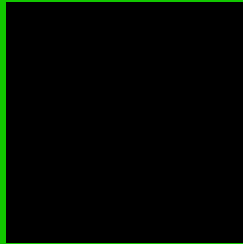
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.6729, 40.9754, 6.8195

Background



This preview shows how black text looks on a background with the XYZ color 20.6729, 40.9754, 6.8195.



This preview shows how white text looks on a background with the XYZ color 20.6729, 40.9754,

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

20.6729, 40.9754, 6.8195

Protanopia

36.1130, 39.9559, 5.8089

Deuteranopia

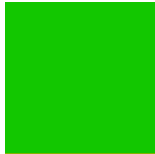
40.9125, 39.9603, 7.8423



Tritanopia

31.5206, 40.7993, 60.8573

Trichromacy



Original Color

20.6729, 40.9754, 6.8195



Protanomaly

25.5771, 37.7149, 5.9316



Deuteranomaly

26.8555, 36.5787, 6.6819



Tritanomaly

24.1687, 39.3513, 26.4004

Monochromacy



Original Color

20.6729, 40.9754, 6.8195



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

15.9376, 24.2476, 11.0480

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6729, 40.9754, 6.8195 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(18, 199, 0)` looks like.

```
.text, #text, p{  
    color:rgb(18, 199, 0)  
}
```

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(18, 199, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 199, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.6729, 40.9754, 6.8195 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(18, 199, 0) }
```


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

```
.border{ border-color:rgb(18, 199, 0) }
```

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

Here you see how a box with a 4 pixel rgb(18, 199, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 199, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 199, 0);  
box-shadow:4px 4px 4px 4px rgb(18, 199, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.6729, 40.9754, 6.8195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 199, 0) }
```

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

```
.background{ background-color: rgb(18, 199,  
0) }
```

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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