

Converting Colors

XYZ(20.4965, 40.8739, 7.1990)

Have a look what the booklet for
XYZ(20.4965, 40.8739, 7.1990)
contains.

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Color

**XYZ(20.4961, 40.8759,
7.1904)**

Conversions

Conversions Part 1

Format	Color
Hex	00C70D
RGB	0, 199, 13
RGB Percent	0%, 78%, 5%
CMY	1.0000, 0.2196, 0.9489
CMYK	1.00, 0.00, 0.93, 0.22
HSL	124°, 100%, 39%
HSV	124°, 100%, 78%
XYZ	20.4961, 40.8759, 7.1904
YIQ	118.2950, -58.8980, -100.0340

Conversions

Conversions Part 2

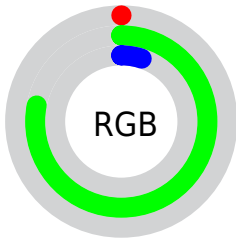
Format	Color
RYB	0, 187, 199
Decimal	50957
CIELab	70.09, -71.24, 67.59
CIELCh	70, 98.200, 136.506
Yxy	40.8759, 0.2989, 0.5962
Android (android.graphics.Color)	4278241037 (0xFF00C70D)
YUV	118.2950, -51.9104, -103.7447
Hunter-Lab	63.9343, -54.6613, 38.0859

Details

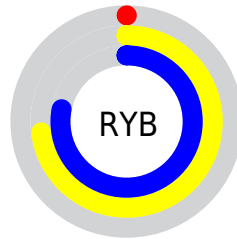
The XYZ color **20.4961, 40.8759, 7.1904** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **32.4156, 15.6872, 47.7661**, and the grayscale version is **17.4854, 18.3960, 20.0333**.

A 20% lighter version of the original color is **43.0692, 75.1031, 20.6139**, and **9.8225, 19.6449, 3.2742** is the 20% darker color. If you saturate the color by 10%, you get **20.4970, 40.8776, 7.1912**, and if you desaturate by 10%, it is **20.9663, 41.0984, 8.1673**.

Distribution



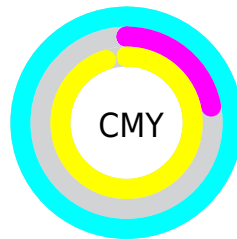
- Red (0%)
- Green (78%)
- Blue (5%)



- Red (0%)
- Yellow (73%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (93%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.4961, 40.8759, 7.1904 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 20.4961, 40.8759, 7.1904 by changing the saturation by 10% instead.


 20.4961, 40.8759,
7.1904


 20.4961, 40.8759,
7.1904


247.3710,
349.8017, 178.9271


 12.8665, 28.2221,
3.5012


 43.7450, 76.4955,
20.8746

 7.4131, 18.4932,
1.3559


 60.0951, 100.2301,
31.7067

 3.7704, 11.3046,
0.1070


 80.0826, 128.4270,
45.7568

 1.5731, 6.2721,
0.0000

 104.0731,
161.4708, 63.4435

 0.3748, 3.0112,
0.0000

 132.4318,
199.7458, 85.1854

 0.0000, 1.1376,
0.0000

 165.5241,

 0.0000, 0.0098,

243.6363, 111.4009

0.0000

203.7154,
293.5268, 142.5086

■ 0.0000, 0.0000,
0.0000

■ 20.4961, 40.8759,
7.1904

■ 20.4961, 40.8759,
7.1904

■ 20.4970, 40.8776,
7.1912

■ 20.9663, 41.0984,
8.1673

■ 21.8721, 41.5278,
9.9052

■ 23.3384, 42.2273,
12.5210

■ 25.4365, 43.2317,
16.1098

■ 28.2274, 44.5705,
20.7546

■ 31.7646, 46.2699,
26.5292

■ 36.0967, 48.3533,
33.5010

■ 41.2678, 50.8423,
41.7321

■ 47.3191, 53.7568,
51.2803

Harmonies

Analogous

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



30.7303, 40.8759, 2.1762



20.4961, 40.8759, 7.1904



15.9144, 40.8759, 26.9126

Triad

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



20.4961, 40.8759, 7.1904



32.0892, 40.8759, 197.5160



76.5632, 40.8759, 23.8311

Complementary

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



20.4961, 40.8759, 7.1904



32.4156, 15.6872, 47.7661

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.



77.2246, 40.8759, 68.4656



20.4961, 40.8759, 7.1904



48.2902, 40.8759, 194.2883

Square

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



20.4961, 40.8759, 7.1904



21.2537, 40.8759, 144.2679



65.7981, 40.8759, 137.1955



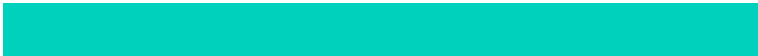
64.1826, 40.8759, 6.2598

Rectangle

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



20.4961, 40.8759, 7.1904



15.5570, 40.8759, 55.2852



65.7981, 40.8759, 137.1955



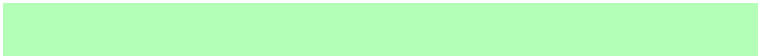
78.2613, 40.8759, 35.2293

Sweetspot

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



20.4970, 40.8776, 7.1913



62.8349, 84.4842, 58.0707



41.4238, 51.6741, 7.7909



12.7230, 17.7338, 11.2641



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.



20.4970, 40.8776, 7.1913



35.8587, 71.5595, 12.4397



23.2091, 41.9624, 21.4726



10.5251, 11.8989, 11.4496



13.1913, 26.2889, 4.6859



0.6346, 1.2488, 0.2747

Inverse Universe

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



32.4156, 15.6872, 47.7661



56.7196, 27.4518, 83.4446



25.3807, 12.8733, 10.7205



11.0520, 10.8042, 13.2571



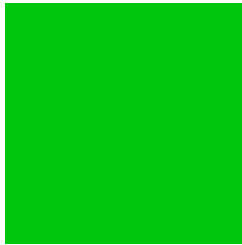
20.8558, 10.0919, 30.7802



0.9968, 0.4816, 1.5062

Previews

White Background



This preview shows how the XYZ color 20.4961, 40.8759, 7.1904 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 20.4961, 40.8759, 7.1904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

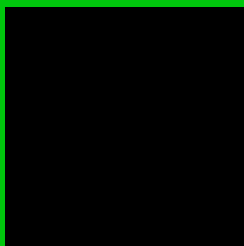
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.4961, 40.8759, 7.1904

Background



This preview shows how black text looks on a background with the XYZ color 20.4961, 40.8759, 7.1904.



This preview shows how white text looks on a background with the XYZ color 20.4961, 40.8759,

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

20.4961, 40.8759, 7.1904

Protanopia

36.1130, 39.9559, 5.8089

Deuteranopia

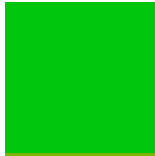
40.9501, 39.9753, 8.0403



Tritanopia

31.3416, 40.7071, 60.8490

Trichromacy



Original Color

20.4961, 40.8759, 7.1904



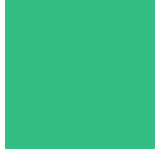
Protanomaly

24.5773, 37.1963, 6.0278



Deuteranomaly

25.7578, 36.0040, 7.0307



Tritanomaly

24.0465, 39.2497, 28.1384

Monochromacy



Original Color

20.4961, 40.8759, 7.1904



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

14.7833, 22.9425, 11.2386

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4961, 40.8759, 7.1904 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, 13)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 13)  
}
```

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, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 13) }
```

Border

The CSS property to change the border of an element to XYZ 20.4961, 40.8759, 7.1904 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, 13) }
```


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

```
.border{ border-color:rgb(0, 199, 13) }
```

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, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 13);  
box-shadow:4px 4px 4px 4px rgb(0, 199, 13)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.4961, 40.8759, 7.1904 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, 13) }
```

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

```
.background{ background-color: rgb(0, 199,  
13) }
```

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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