

Converting Colors

XYZ(20.5418, 40.8957, 7.3635)

Have a look what the booklet for
XYZ(20.5418, 40.8957, 7.3635)
contains.

XYZ(20.5451, 40.8970, 7.3833)	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(20.5451, 40.8970,
7.3833)**

Conversions

Conversions Part 1

Format	Color
Hex	01C712
RGB	1, 199, 18
RGB Percent	0%, 78%, 7%
CMY	0.9961, 0.2196, 0.9294
CMYK	0.99, 0.00, 0.91, 0.22
HSL	125°, 99%, 39%
HSV	125°, 99%, 78%
XYZ	20.5451, 40.8970, 7.3833
YIQ	119.1640, -59.9070, -98.2670

Conversions

Conversions Part 2

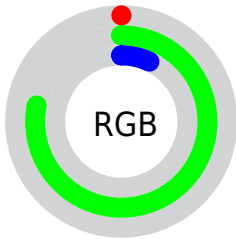
Format	Color
R_{YB}	1, 183, 199
Decimal	116498
CIE _{Lab}	70.10, -71.06, 66.90
CIE _{LCh}	70, 97.598, 136.730
Yxy	40.8970, 0.2985, 0.5942
Android (android.graphics.Color)	4278306578 (0xFF01C712)
YUV	119.1640, -49.8739, -103.6298
Hunter-Lab	63.9508, -54.5681, 37.9203

Details

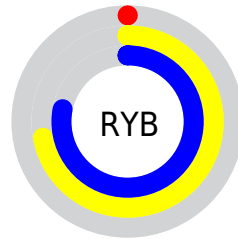
The XYZ color **20.5451, 40.8970, 7.3833** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **32.0071, 15.5411, 45.5616**, and the grayscale version is **17.7543, 18.6790, 20.3414**.

A 20% lighter version of the original color is **43.1486, 75.1349, 21.0324**, and **9.8225, 19.6449, 3.2742** is the 20% darker color. If you saturate the color by 10%, you get **20.5263, 40.8893, 7.3451**, and if you desaturate by 10%, it is **21.0529, 41.1355, 8.5158**.

Distribution



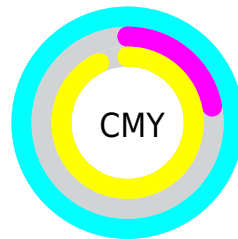
- Red (0%)
- Green (78%)
- Blue (7%)



- Red (0%)
- Yellow (72%)
- Blue (78%)



- Cyan (99%)
- Magenta (0%)
- Yellow (91%)
- Black (22%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.5451, 40.8970, 7.3833 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 20.5451, 40.8970, 7.3833 by changing the saturation by 10% instead.


 20.5451, 40.8970,
7.3833


 20.5451, 40.8970,
7.3833


247.6287,
349.8899, 180.5617


 12.9025, 28.2386,
3.6209


 43.8262, 76.5275,
21.2661


 7.4379, 18.5056,
1.4198


 60.1954, 100.2684,
32.2236


 3.7862, 11.3136,
0.1571


 80.2042, 128.4723,
46.4165

 1.5819, 6.2782,
0.0000

 104.2178,
161.5235, 64.2634

 0.3806, 3.0150,
0.0000

 132.6017,
199.8065, 86.1829

 0.0000, 1.1395,
0.0000

 165.7213,

 0.0000, 0.0115,

243.7057, 112.5934

0.0000

203.9418,
293.6053, 143.9135

■ 0.0000, 0.0000,
0.0000

■ 20.5451, 40.8970,
7.3833

■ 20.5451, 40.8970,
7.3833

■ 20.5263, 40.8893,
7.3451

■ 21.0529, 41.1355,
8.5158

■ 22.0058, 41.5859,
10.4058

■ 23.5191, 42.3066,
13.1577

■ 25.6619, 43.3316,
16.8579

■ 28.4936, 44.6898,
21.5822

■ 32.0664, 46.4066,
27.3989

■ 36.4276, 48.5051,
34.3702

■ 41.6204, 51.0063,
42.5538

■ 47.6852, 53.9300,
52.0034

Harmonies

Analogous

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



30.6953, 40.8970, 2.2629



20.5451, 40.8970, 7.3833



16.0117, 40.8970, 27.2592

Triad

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



20.5451, 40.8970, 7.3833



32.2484, 40.8970, 196.3729



76.2565, 40.8970, 23.7313

Complementary

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



20.5451, 40.8970, 7.3833



32.0071, 15.5411, 45.5616

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.



77.0098, 40.8970, 67.8853



20.5451, 40.8970, 7.3833



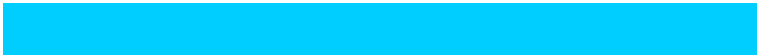
48.3839, 40.8970, 192.7060

Square

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



20.5451, 40.8970, 7.3833



21.4127, 40.8970, 143.9738



65.7485, 40.8970, 135.9314



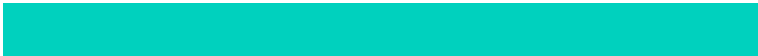
63.9077, 40.8970, 6.3087

Rectangle

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



20.5451, 40.8970, 7.3833



15.6777, 40.8970, 55.6349



65.7485, 40.8970, 135.9314



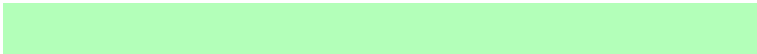
77.9721, 40.8970, 35.0107

Sweetspot

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



20.5461, 40.8987, 7.3842



62.9999, 84.5502, 58.9395



39.8402, 50.8572, 7.7453



12.7605, 17.7487, 11.4615



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.



20.5461, 40.8987, 7.3842



35.9040, 71.5776, 12.6783



23.6184, 42.1276, 23.5628



10.5339, 11.9024, 11.4955



13.2122, 26.2972, 4.7959



0.6386, 1.2504, 0.2958

Inverse Universe

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



32.0071, 15.5411, 45.5616



55.9601, 27.1481, 79.4452



25.1457, 12.7966, 9.4298



11.0423, 10.8003, 13.2059



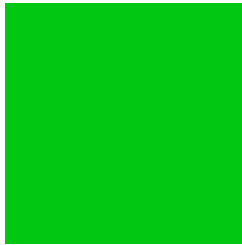
20.5840, 9.9832, 29.3489



0.9865, 0.4774, 1.4521

Previews

White Background



This preview shows how the XYZ color 20.5451, 40.8970, 7.3833 looks on a white background.

Color Contrast Check

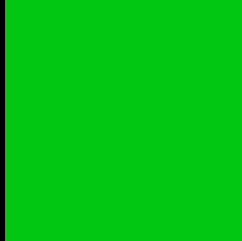
Large Text (above 18pt) WCAG AA × Fail

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 20.5451, 40.8970, 7.3833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

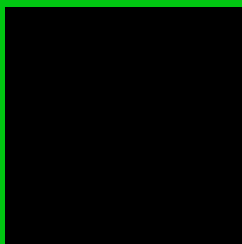
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

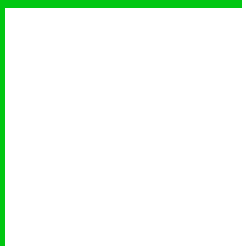
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.5451, 40.8970, 7.3833

Background



This preview shows how black text looks on a background with the XYZ color 20.5451, 40.8970, 7.3833.



This preview shows how white text looks on a background with the XYZ color 20.5451, 40.8970,

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

20.5451, 40.8970, 7.3833

Protanopia

36.1130, 39.9559, 5.8089

Deuteranopia

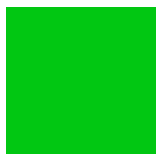
40.6786, 39.8331, 8.1293



Tritanopia

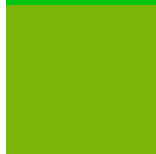
31.3416, 40.7071, 60.8490

Trichromacy



Original Color

20.5451, 40.8970, 7.3833



Protanomaly

24.7306, 37.2740, 6.0922



Deuteranomaly

25.8018, 36.0216, 7.2620



Tritanomaly

24.1847, 39.3050, 28.8662

Monochromacy



Original Color

20.5451, 40.8970, 7.3833



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

15.0934, 23.3255, 11.6894

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5451, 40.8970, 7.3833 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(1, 199, 18)` looks like.

```
.text, #text, p{  
    color:rgb(1, 199, 18)  
}
```

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(1, 199, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 199, 18) }
```

Border

The CSS property to change the border of an element to XYZ 20.5451, 40.8970, 7.3833 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(1, 199, 18) }
```


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

```
.border{ border-color:rgb(1, 199, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 199, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 199, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 199, 18);  
box-shadow:4px 4px 4px 4px rgb(1, 199, 18)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.5451, 40.8970, 7.3833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 199, 18) }
```

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

```
.background{ background-color: rgb(1, 199,  
18) }
```

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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