

Converting Colors

XYZ(20.9917, 41.9834, 6.9972)

Have a look what the booklet for
XYZ(20.9917, 41.9834, 6.9972)
contains.

XYZ(20.8866, 41.7733, 6.9622)	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(20.8866, 41.7733,
6.9622)**

Conversions

Conversions Part 1

Format	Color
Hex	00C900
RGB	0, 201, 0
RGB Percent	0%, 79%, 0%
CMY	1.0000, 0.2118, 0.9999
CMYK	1.00, 0.00, 1.00, 0.21
HSL	120°, 100%, 39%
HSV	120°, 100%, 79%
XYZ	20.8866, 41.7733, 6.9622
YIQ	117.9870, -55.2750, -105.1230

Conversions

Conversions Part 2

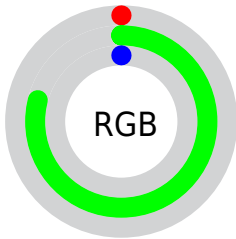
Format	Color
RYB	0, 201, 201
Decimal	51456
CIELab	70.71, -72.04, 69.53
CIELCh	71, 100.124, 136.016
Yxy	41.7733, 0.3000, 0.6000
Android (android.graphics.Color)	4278241536 (0xFF00C900)
YUV	117.9870, -58.1676, -103.4746
Hunter-Lab	64.6323, -55.4223, 38.8559

Details

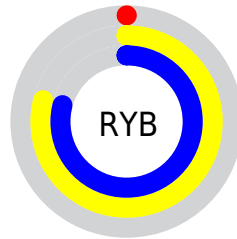
The XYZ color **20.8866, 41.7733, 6.9622** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **34.6288, 16.6342, 56.6325**, and the grayscale version is **17.4064, 18.3129, 19.9427**.

A 20% lighter version of the original color is **43.0709, 75.1173, 20.0136**, and **10.1254, 20.2508, 3.3751** is the 20% darker color. If you saturate the color by 10%, you get **20.8876, 41.7751, 6.9631**, and if you desaturate by 10%, it is **21.3054, 41.9757, 7.6467**.

Distribution



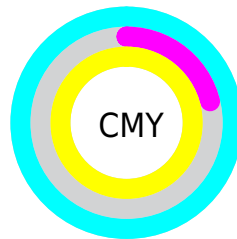
- Red (0%)
- Green (79%)
- Blue (0%)



- Red (0%)
- Yellow (79%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (100%)
- Black (21%)





- Cyan (100%)
- Magenta (21%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.8866, 41.7733, 6.9622 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 20.8866, 41.7733, 6.9622 by changing the saturation by 10% instead.


 20.8866, 41.7733,
6.9622


 20.8866, 41.7733,
6.9622


249.4184,
353.5423, 176.9682


 13.1531, 28.9238,
3.3604


 44.3914, 77.8564,
20.4087


 7.6118, 19.0232,
1.2815


 60.8935, 101.8588,
31.0905

 3.8973, 11.6870,
0.0465


 81.0491, 130.3477,
44.9693

 1.6442, 6.5310,
0.0000

 105.2237,
163.7074, 62.4637

 0.4209, 3.1705,
0.0000

 133.7825,
202.3223, 83.9923

 0.0000, 1.2214,
0.0000

 167.0910,

 0.0000, 0.0791,

246.5768, 109.9735

0.0000

205.5145,
296.8554, 140.8260

■ 0.0000, 0.0000,
0.0000

■ 20.8866, 41.7733,
6.9622

■ 20.8866, 41.7733,
6.9622

■ 20.8876, 41.7751,
6.9631

■ 21.3054, 41.9757,
7.6467

■ 22.1571, 42.3849,
9.0403

■ 23.5932, 43.0747,
11.3897

■ 25.6931, 44.0834,
14.8248

■ 28.5239, 45.4431,
19.4552

■ 32.1444, 47.1822,
25.3773

■ 36.6076, 49.3261,
32.6775

■ 41.9618, 51.8980,
41.4349

■ 48.2517, 54.9194,
51.7226

Harmonies

Analogous

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



31.5354, 41.7733, 2.0574



20.8866, 41.7733, 6.9622



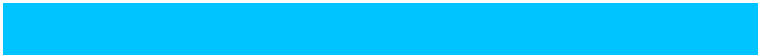
16.0932, 41.7733, 26.7827

Triad

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



20.8866, 41.7733, 6.9622



32.4822, 41.7733, 204.2616



78.9476, 41.7733, 24.6432

Complementary

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



20.8866, 41.7733, 6.9622



34.6288, 16.6342, 56.6325

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.



79.4116, 41.7733, 71.3326



20.8866, 41.7733, 6.9622



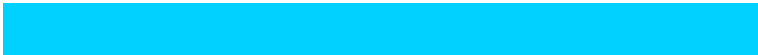
49.1744, 41.7733, 201.9870

Square

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



20.8866, 41.7733, 6.9622



21.4124, 41.7733, 148.0079



67.3723, 41.7733, 143.0326



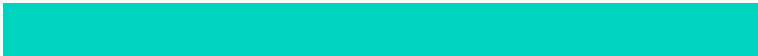
66.2403, 41.7733, 6.3268

Rectangle

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



20.8866, 41.7733, 6.9622



15.6752, 41.7733, 55.7493



67.3723, 41.7733, 143.0326



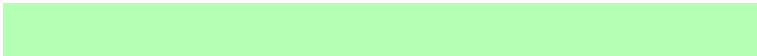
80.6401, 41.7733, 36.5632

Sweetspot

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



20.8876, 41.7751, 6.9631



62.3221, 84.2791, 55.3704



44.9759, 54.1930, 8.0898



12.6071, 17.6874, 10.6536



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.



20.8876, 41.7751, 6.9631



35.7602, 71.5201, 11.9208



23.2121, 42.7049, 19.2038



10.4976, 11.8879, 11.3043



13.1328, 26.2655, 4.3781



0.6219, 1.2437, 0.2074

Inverse Universe

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



34.6288, 16.6342, 56.6325



59.2855, 28.4782, 96.9560



26.4130, 13.3479, 13.3686



11.0831, 10.8166, 13.4209



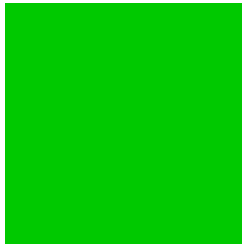
21.7724, 10.4585, 35.6070



1.0309, 0.4952, 1.6861

Previews

White Background



This preview shows how the XYZ color 20.8866, 41.7733, 6.9622 looks on a white background.

Color Contrast Check

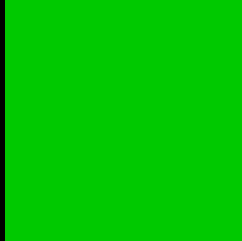
Large Text (above 18pt) WCAG AA × Fail

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 20.8866, 41.7733, 6.9622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

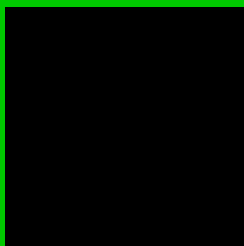
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.8866, 41.7733, 6.9622

Background



This preview shows how black text looks on a background with the XYZ color 20.8866, 41.7733, 6.9622.



This preview shows how white text looks on a background with the XYZ color 20.8866, 41.7733,

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

20.8866, 41.7733, 6.9622

Protanopia

37.0007, 40.9744, 5.9587

Deuteranopia

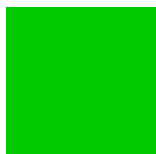
41.8707, 40.9752, 8.0850



Tritanopia

32.0872, 41.6897, 62.2329

Trichromacy



Original Color

20.8866, 41.7733, 6.9622



Protanomaly

25.1019, 38.0779, 6.0268



Deuteranomaly

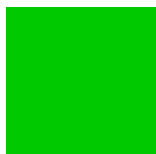
26.2483, 36.8465, 6.8273



Tritanomaly

24.2803, 40.0411, 27.2179

Monochromacy



Original Color

20.8866, 41.7733, 6.9622



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

14.7616, 23.1837, 10.3535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8866, 41.7733, 6.9622 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, 201, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 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(0, 201, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.8866, 41.7733, 6.9622 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, 201, 0) }
```


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

```
.border{ border-color:rgb(0, 201, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 201, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 201, 0); box-shadow:4px  
4px 4px 4px rgb(0, 201, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8866, 41.7733, 6.9622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 201, 0) }
```

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

```
.background{ background-color: rgb(0, 201,  
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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