

Converting Colors

XYZ(20.7991, 40.6679, 6.7535)

Have a look what the booklet for
XYZ(20.7991, 40.6679, 6.7535)
contains.

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Color

**XYZ(20.8213, 40.7115,
6.7607)**

Conversions

Conversions Part 1

Format	Color
Hex	21C600
RGB	33, 198, 0
RGB Percent	13%, 78%, 0%
CMY	0.8706, 0.2235, 0.9999
CMYK	0.83, 0.00, 1.00, 0.22
HSL	110°, 100%, 39%
HSV	110°, 100%, 78%
XYZ	20.8213, 40.7115, 6.7607
YIQ	126.0930, -34.7820, -96.5580

Conversions

Conversions Part 2

Format	Color
RYB	0, 198, 165
Decimal	2213376
CIELab	69.97, -69.16, 69.03
CIELCh	70, 97.720, 135.054
Yxy	40.7115, 0.3049, 0.5961
Android (android.graphics.Color)	4280403456 (0xFF21C600)
YUV	126.0930, -62.1638, -81.6426
Hunter-Lab	63.8056, -53.4109, 38.3817

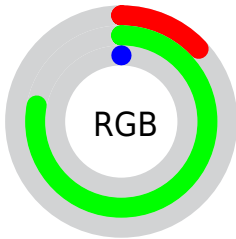
Details

The XYZ color **20.8213, 40.7115, 6.7607** is a dark color, and the websafe version is hex **33CC00**.

The color can be described as dark washed green. A complement of this color would be **25.7159, 12.0798, 54.4045**, and the grayscale version is **20.0782, 21.1238, 23.0038**.

A 20% lighter version of the original color is **43.8901, 75.5439, 19.8576**, and **9.6730, 19.3460, 3.2243** is the 20% darker color. If you saturate the color by 10%, you get **20.8215, 40.7129, 6.7610**, and if you desaturate by 10%, it is **21.6106, 41.1052, 7.4487**.

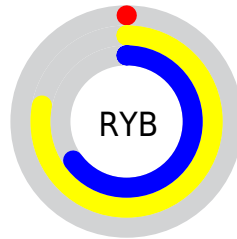
Distribution



Red (13%)

Green (78%)

Blue (0%)



Red (0%)

Yellow (78%)

Blue (65%)

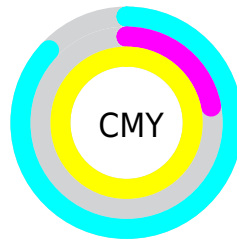


Cyan (83%)

Magenta (0%)

Yellow (100%)

Black (22%)



Cyan (87%)


Magenta (22%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.8213, 40.7115, 6.7607 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 20.8213, 40.7115, 6.7607 by changing the saturation by 10% instead.


 20.8213, 40.7115,
6.7607


 20.8213, 40.7115,
6.7607


249.0770,
349.1134, 175.2150


 13.1052, 28.0937,
3.2367


 44.2835, 76.2457,
19.9948


 7.5785, 18.3963,
1.2167


 60.7602, 99.9310,
30.5419


 3.8760, 11.2349,
0.0000


 80.8878, 128.0742,
44.2673

 1.6322, 6.2251,
0.0000

 105.0317,
161.0598, 61.5893

 0.4133, 2.9824,
0.0000

 133.5572,
199.2721, 82.9265

 0.0000, 1.1226,
0.0000

 166.8297,

 0.0000, 0.0000,

243.0955, 108.6975

0.0000

205.2145,
292.9145, 139.3208

■ 20.8213, 40.7115,
6.7607

■ 20.8213, 40.7115,
6.7607

■ 20.8215, 40.7129,
6.7610

■ 21.6106, 41.1052,
7.4487

■ 22.8186, 41.6989,
8.8200

■ 24.5193, 42.5266,
11.1116

■ 26.7609, 43.6107,
14.4471

■ 29.5858, 44.9707,
18.9312

■ 33.0319, 46.6241,
24.6558

■ 37.1339, 48.5870,
31.7035

■ 41.9238, 50.8743,
40.1498

■ 47.4315, 53.4999,
50.0646

Harmonies

Analogous

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



31.2765, 40.7115, 2.1270



20.8213, 40.7115, 6.7607



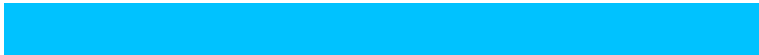
16.0146, 40.7115, 25.3438

Triad

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



20.8213, 40.7115, 6.7607



31.3248, 40.7115, 194.4357



76.4225, 40.7115, 25.2342

Complementary

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



20.8213, 40.7115, 6.7607



25.7159, 12.0798, 54.4045

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.



76.4459, 40.7115, 71.0008



20.8213, 40.7115, 6.7607



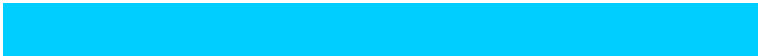
47.2026, 40.7115, 194.3213

Square

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



20.8213, 40.7115, 6.7607



20.8483, 40.7115, 139.8321



64.6561, 40.7115, 139.5814



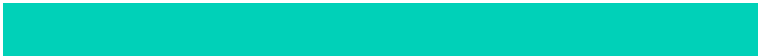
64.5988, 40.7115, 6.7275

Rectangle

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



20.8213, 40.7115, 6.7607



15.5109, 40.7115, 52.5081



64.6561, 40.7115, 139.5814



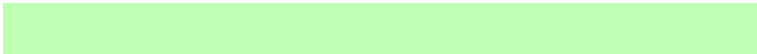
77.8982, 40.7115, 37.0447

Sweetspot

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



20.8222, 40.7132, 6.7616



65.3932, 85.8624, 55.5097



36.7461, 38.9190, 5.5760



13.3054, 18.0474, 10.6853



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.



20.8222, 40.7132, 6.7616



36.7345, 72.0224, 11.9656



21.1790, 40.7835, 11.9124



10.6594, 11.9713, 11.3116



13.5896, 26.5010, 4.3990



0.6963, 1.2820, 0.2108

Inverse Universe

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



25.7159, 12.0798, 54.4045



45.3525, 21.2949, 96.3277



27.4554, 13.6729, 23.0253



10.9030, 10.7238, 13.4127



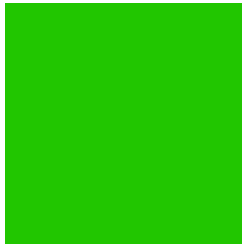
16.7846, 7.8870, 35.3821



0.8421, 0.3979, 1.6776

Previews

White Background



This preview shows how the XYZ color 20.8213, 40.7115, 6.7607 looks on a white background.

Color Contrast Check

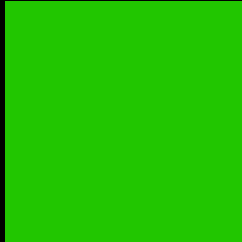
Large Text (above 18pt) WCAG AA × Fail

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 20.8213, 40.7115, 6.7607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

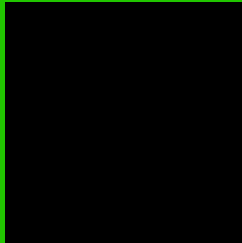
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.8213, 40.7115, 6.7607

Background



This preview shows how black text looks on a background with the XYZ color 20.8213, 40.7115, 6.7607.



This preview shows how white text looks on a background with the XYZ color 20.8213, 40.7115,

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

20.8213, 40.7115, 6.7607

Protanopia

35.8606, 39.8258, 5.7971

Deuteranopia

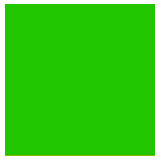
40.6215, 39.8103, 7.8287



Tritanopia

31.4738, 40.4792, 60.1873

Trichromacy



Original Color

20.8213, 40.7115, 6.7607



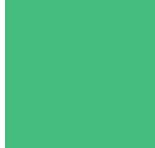
Protanomaly

26.1528, 37.7108, 5.9005



Deuteranomaly

27.5466, 36.6471, 6.6587



Tritanomaly

24.4123, 39.1564, 26.3500

Monochromacy



Original Color

20.8213, 40.7115, 6.7607



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

17.0898, 25.3110, 11.5742

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8213, 40.7115, 6.7607 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(33, 198, 0)` looks like.

```
.text, #text, p{  
    color:rgb(33, 198, 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(33, 198, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 198, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.8213, 40.7115, 6.7607 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(33, 198, 0) }
```


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

```
.border{ border-color:rgb(33, 198, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 198, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 198, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 198, 0);  
box-shadow:4px 4px 4px 4px rgb(33, 198, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.8213, 40.7115, 6.7607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 198, 0) }
```

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

```
.background{ background-color: rgb(33, 198,  
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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