

Converting Colors

XYZ(20.9211, 41.1847, 7.1716)

Have a look what the booklet for
XYZ(20.9211, 41.1847, 7.1716)
contains.

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Color

**XYZ(20.8605, 41.0652,
7.1435)**

Conversions

Conversions Part 1

Format	Color
Hex	18C70B
RGB	24, 199, 11
RGB Percent	9%, 78%, 4%
CMY	0.9059, 0.2196, 0.9568
CMYK	0.88, 0.00, 0.94, 0.22
HSL	116°, 90%, 41%
HSV	116°, 94%, 78%
XYZ	20.8605, 41.0652, 7.1435
YIQ	125.2430, -43.9520, -95.5680

Conversions

Conversions Part 2

Format	Color
RYB	11, 199, 186
Decimal	1623819
CIELab	70.22, -70.04, 67.99
CIELCh	70, 97.618, 135.851
Yxy	41.0652, 0.3020, 0.5946
Android (android.graphics.Color)	4279813899 (0xFF18C70B)
YUV	125.2430, -56.3218, -88.7901
Hunter-Lab	64.0821, -54.0371, 38.2482

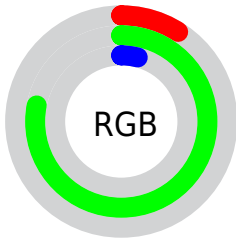
Details

The XYZ color **20.8605, 41.0652, 7.1435** 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 **30.6849, 14.8057, 55.2756**, and the grayscale version is **19.7712, 20.8009, 22.6521**.

A 20% lighter version of the original color is **43.6669, 75.4113, 20.6419**, and **9.8225, 19.6449, 3.2742** is the 20% darker color. If you saturate the color by 10%, you get **20.6014, 40.9398, 6.8164**, and if you desaturate by 10%, it is **21.6470, 41.4504, 8.1507**.

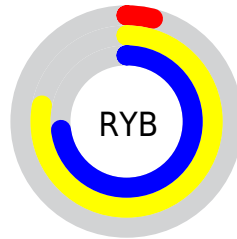
Distribution



Red (9%)

Green (78%)

Blue (4%)



Red (4%)

Yellow (78%)

Blue (73%)

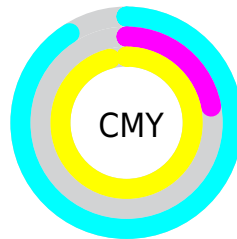


Cyan (88%)

Magenta (0%)

Yellow (94%)

Black (22%)



Cyan (91%)


Magenta (22%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.8605, 41.0652, 7.1435 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 20.8605, 41.0652, 7.1435 by changing the saturation by 10% instead.


 20.8605, 41.0652,
7.1435


 20.8605, 41.0652,
7.1435


249.2820,
350.5930, 178.5267


 13.1339, 28.3700,
3.4722


 44.3483, 76.7829,
20.7791

 7.5985, 18.6048,
1.3405


 60.8402, 100.5741,
31.5805

 3.8888, 11.3851,
0.0946


 80.9847, 128.8329,
45.5956

 1.6394, 6.3265,
0.0000

 105.1470,
161.9436, 63.2430

 0.4179, 3.0446,
0.0000

 133.6925,
200.2905, 84.9413

 0.0000, 1.1551,
0.0000

 166.9866,

 0.0000, 0.0245,

244.2582, 111.1090

0.0000

205.3946,
294.2309, 142.1646

■ 0.0000, 0.0000,
0.0000

■ 20.8605, 41.0652,
7.1435

■ 20.8605, 41.0652,
7.1435

■ 20.6014, 40.9398,
6.8164

■ 21.6470, 41.4504,
8.1507

■ 22.9455, 42.0797,
10.0242

■ 24.8254, 42.9871,
12.9034

■ 27.3446, 44.1998,
16.9024

■ 30.5539, 45.7421,
22.1201

■ 34.4990, 47.6356,
28.6444

■ 39.2217, 49.9000,
36.5552

■ 44.7606, 52.5537,
45.9258

■ 51.1518, 55.6139,
56.8247

Harmonies

Analogous

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



31.2188, 41.0652, 2.2339



20.8605, 41.0652, 7.1435



16.1588, 41.0652, 26.4526

Triad

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



20.8605, 41.0652, 7.1435



31.9854, 41.0652, 196.0541



76.7239, 41.0652, 24.7112

Complementary

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



20.8605, 41.0652, 7.1435



30.6849, 14.8057, 55.2756

Split Complementary

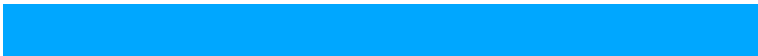
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.0956, 41.0652, 69.8859



20.8605, 41.0652, 7.1435



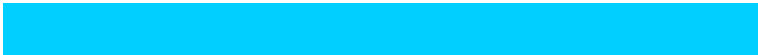
48.0491, 41.0652, 194.2455

Square

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



20.8605, 41.0652, 7.1435



21.2889, 41.0652, 142.3734



65.5206, 41.0652, 138.4064



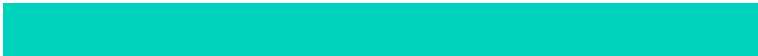
64.6124, 41.0652, 6.6125

Rectangle

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



20.8605, 41.0652, 7.1435



15.7334, 41.0652, 54.3070



65.5206, 41.0652, 138.4064



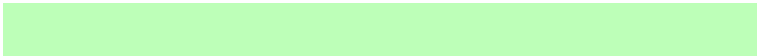
78.3186, 41.0652, 36.3212

Sweetspot

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



20.8615, 41.0669, 7.1444



65.2396, 85.7227, 58.2355



40.6180, 46.1735, 7.0888



13.2041, 17.9838, 11.1936



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.



20.8615, 41.0669, 7.1444



36.0021, 71.6448, 11.9313



22.3803, 41.6469, 16.3868



10.5642, 11.9223, 11.3072



13.2743, 26.3385, 4.3842



0.6527, 1.2596, 0.2087

Inverse Universe

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



30.6849, 14.8057, 55.2756



53.1068, 25.2924, 96.6906



27.1055, 13.7550, 19.2119



11.0080, 10.7779, 13.4177



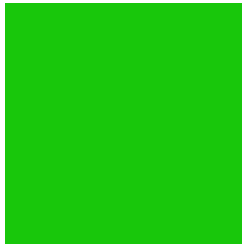
19.5650, 9.3204, 35.5122



0.9486, 0.4528, 1.6825

Previews

White Background



This preview shows how the XYZ color 20.8605, 41.0652, 7.1435 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 20.8605, 41.0652, 7.1435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

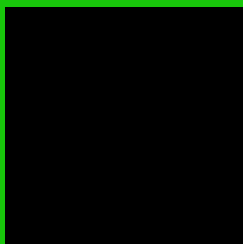
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.8605, 41.0652, 7.1435

Background



This preview shows how black text looks on a background with the XYZ color 20.8605, 41.0652, 7.1435.



This preview shows how white text looks on a background with the XYZ color 20.8605, 41.0652,

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

20.8605, 41.0652, 7.1435

Protanopia

36.3011, 40.3323, 5.8716

Deuteranopia

40.9310, 39.9677, 7.9401



Tritanopia

31.6120, 40.8465, 60.8616

Trichromacy



Original Color

20.8605, 41.0652, 7.1435



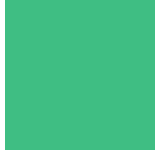
Protanomaly

25.9059, 37.8818, 6.0614



Deuteranomaly

27.2677, 36.7840, 7.0294



Tritanomaly

24.5601, 39.5224, 27.8069

Monochromacy



Original Color

20.8605, 41.0652, 7.1435



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

16.8530, 25.1713, 12.3578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8605, 41.0652, 7.1435 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(24, 199, 11)` looks like.

```
.text, #text, p{  
    color:rgb(24, 199, 11)  
}
```

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(24, 199, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 199, 11) }
```

Border

The CSS property to change the border of an element to XYZ 20.8605, 41.0652, 7.1435 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(24, 199, 11) }
```


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

```
.border{ border-color:rgb(24, 199, 11) }
```

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

Here you see how a box with a 4 pixel rgb(24, 199, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 199, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 199, 11);  
box-shadow:4px 4px 4px 4px rgb(24, 199,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8605, 41.0652, 7.1435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 199, 11) }
```

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

```
.background{ background-color: rgb(24, 199,  
11) }
```

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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