

Converting Colors

XYZ(20.5224, 40.3293, 6.8940)

Have a look what the booklet for
XYZ(20.5224, 40.3293, 6.8940)
contains.

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Color

**XYZ(20.4566, 40.1809,
6.8785)**

Conversions

Conversions Part 1

Format	Color
Hex	1BC507
RGB	27, 197, 7
RGB Percent	11%, 77%, 3%
CMY	0.8941, 0.2274, 0.9725
CMYK	0.86, 0.00, 0.96, 0.23
HSL	114°, 93%, 40%
HSV	114°, 96%, 77%
XYZ	20.4566, 40.1809, 6.8785
YIQ	124.5100, -40.3300, -95.1300

Conversions

Conversions Part 2

Format	Color
RYB	7, 197, 177
Decimal	1819911
CIELab	69.60, -69.32, 67.93
CIELCh	70, 97.052, 135.579
Yxy	40.1809, 0.3030, 0.5951
Android (android.graphics.Color)	4280009991 (0xFF1BC507)
YUV	124.5100, -57.9324, -85.5163
Hunter-Lab	63.3884, -53.3245, 37.9381

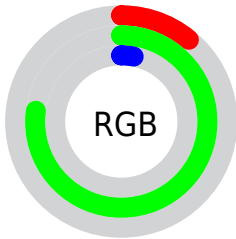
Details

The XYZ color **20.4566, 40.1809, 6.8785** 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 **28.2919, 13.5339, 53.9467**, and the grayscale version is **19.5278, 20.5448, 22.3733**.

A 20% lighter version of the original color is **43.7134, 75.4442, 20.2409**, and **9.5249, 19.0498, 3.1750** is the 20% darker color. If you saturate the color by 10%, you get **20.2704, 40.0905, 6.6699**, and if you desaturate by 10%, it is **21.2276, 40.5615, 7.7304**.

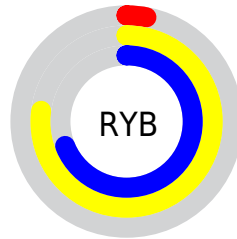
Distribution



Red (11%)

Green (77%)

Blue (3%)



Red (3%)

Yellow (77%)

Blue (69%)

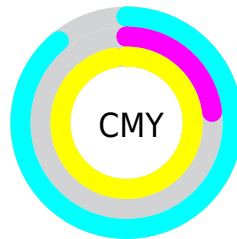


Cyan (86%)

Magenta (0%)

Yellow (96%)

Black (23%)



Cyan (89%)


Magenta (23%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.4566, 40.1809, 6.8785 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 20.4566, 40.1809, 6.8785 by changing the saturation by 10% instead.


 20.4566, 40.1809,
6.8785


 20.4566, 40.1809,
6.8785


247.1631,
346.8854, 176.2427


 12.8376, 27.6796,
3.3089


 43.6795, 75.4389,
20.2371

 7.3930, 18.0843,
1.2545


 60.0141, 98.9644,
30.8631

 3.7576, 11.0105,
0.0240


 79.9846, 126.9335,
44.6785

 1.5659, 6.0739,
0.0000

 103.9564,
159.7304, 62.1016

 0.3700, 2.8901,
0.0000

 132.2947,
197.7397, 83.5510

 0.0000, 1.0746,
0.0000

 165.3651,

 0.0000, 0.0000,

241.3457, 109.4453

0.0000

203.5327,
290.9328, 140.2031

■ 20.4566, 40.1809,
6.8785

■ 20.4566, 40.1809,
6.8785

■ 20.2704, 40.0905,
6.6699

■ 21.2276, 40.5615,
7.7304

■ 22.4713, 41.1672,
9.3903

■ 24.2527, 42.0295,
12.0074

■ 26.6244, 43.1729,
15.6966

■ 29.6329, 44.6194,
20.5565

■ 33.3199, 46.3885,
26.6746

■ 37.7235, 48.4982,
34.1300

■ 42.8790, 50.9651,
42.9954

■ 48.8195, 53.8048,
53.3381

Harmonies

Analogous

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



30.6551, 40.1809, 2.1547



20.4566, 40.1809, 6.8785



15.8071, 40.1809, 25.5831

Triad

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



20.4566, 40.1809, 6.8785



31.1662, 40.1809, 191.8839



75.1980, 40.1809, 24.4225

Complementary

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



20.4566, 40.1809, 6.8785



28.2919, 13.5339, 53.9467

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.



75.4460, 40.1809, 68.9579



20.4566, 40.1809, 6.8785



46.8700, 40.1809, 190.6764

Square

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



20.4566, 40.1809, 6.8785



20.7421, 40.1809, 138.8818



64.0126, 40.1809, 136.2338



63.4067, 40.1809, 6.5253

Rectangle

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



20.4566, 40.1809, 6.8785



15.3633, 40.1809, 52.6894



64.0126, 40.1809, 136.2338



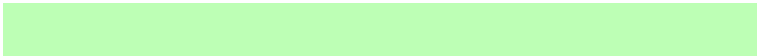
76.7233, 40.1809, 35.8839

Sweetspot

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



20.4575, 40.1826, 6.8794



65.0489, 85.6549, 56.8476



38.3641, 42.4835, 6.3798



13.1943, 17.9845, 10.9343



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.



20.4575, 40.1826, 6.8794



36.2071, 71.7505, 11.9409



21.4973, 40.5564, 14.2551



10.5993, 11.9404, 11.3088



13.3668, 26.3861, 4.3885



0.6688, 1.2679, 0.2095

Inverse Universe

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



28.2919, 13.5339, 53.9467



50.1035, 23.7442, 96.5501



26.7524, 13.4829, 20.3200



10.9690, 10.7578, 13.4158



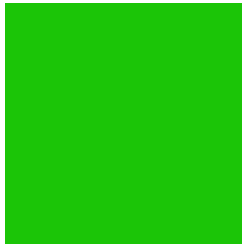
18.4896, 8.7660, 35.4619



0.9079, 0.4318, 1.6806

Previews

White Background



This preview shows how the XYZ color 20.4566, 40.1809, 6.8785 looks on a white background.

Color Contrast Check

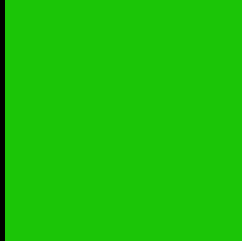
Large Text (above 18pt) WCAG AA × Fail

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 20.4566, 40.1809, 6.8785 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 20.4566, 40.1809, 6.8785

Background



This preview shows how black text looks on a background with the XYZ color 20.4566, 40.1809, 6.8785.



This preview shows how white text looks on a background with the XYZ color 20.4566, 40.1809,

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

20.4566, 40.1809, 6.8785

Protanopia

35.4232, 39.3231, 5.7231

Deuteranopia

40.1582, 39.3131, 7.7571



Tritanopia

30.9643, 39.9226, 59.4999

Trichromacy



Original Color

20.4566, 40.1809, 6.8785



Protanomaly

25.4966, 37.0721, 5.8980



Deuteranomaly

26.8550, 36.0006, 6.7617



Tritanomaly

24.1256, 38.6752, 26.9624

Monochromacy



Original Color

20.4566, 40.1809, 6.8785



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

16.7094, 24.8663, 11.9016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4566, 40.1809, 6.8785 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(27, 197, 7)` looks like.

```
.text, #text, p{  
    color:rgb(27, 197, 7)  
}
```

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(27, 197, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 197, 7) }
```

Border

The CSS property to change the border of an element to XYZ 20.4566, 40.1809, 6.8785 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(27, 197, 7) }
```


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

```
.border{ border-color:rgb(27, 197, 7) }
```

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

Here you see how a box with a 4 pixel rgb(27, 197, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 197, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 197, 7);  
box-shadow:4px 4px 4px 4px rgb(27, 197, 7)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.4566, 40.1809, 6.8785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 197, 7) }
```

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

```
.background{ background-color: rgb(27, 197,  
7) }
```

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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