

Converting Colors

XYZ(19.1749, 38.0068, 3.0415)

Have a look what the booklet for
XYZ(19.1749, 38.0068, 3.0415)
contains.

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Color

**XYZ(19.7641, 38.1707,
6.3260)**

Conversions

Conversions Part 1

Format	Color
Hex	29C000
RGB	41, 192, 0
RGB Percent	16%, 75%, 0%
CMY	0.8392, 0.2470, 0.9999
CMYK	0.79, 0.00, 1.00, 0.25
HSL	107°, 100%, 38%
HSV	107°, 100%, 75%
XYZ	19.7641, 38.1707, 6.3260
YIQ	124.9630, -28.3640, -91.7240

Conversions

Conversions Part 2

Format	Color
RYB	0, 192, 151
Decimal	2736128
CIELab	68.15, -66.48, 67.62
CIELCh	68, 94.824, 134.513
Yxy	38.1707, 0.3076, 0.5940
Android (android.graphics.Color)	4280926208 (0xFF29C000)
YUV	124.9630, -61.6068, -73.6356
Hunter-Lab	61.7824, -51.0174, 37.1769

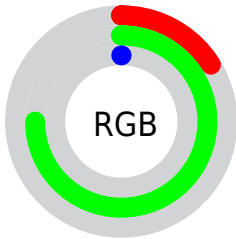
Details

The XYZ color **19.7641, 38.1707, 6.3260** 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 **22.2820, 10.3880, 50.7019**, and the grayscale version is **19.6900, 20.7154, 22.5590**.

A 20% lighter version of the original color is **42.6671, 72.5806, 19.1578**, and **8.9457, 17.8913, 2.9819** is the 20% darker color. If you saturate the color by 10%, you get **19.7642, 38.1719, 6.3262**, and if you desaturate by 10%, it is **20.6065, 38.5923, 6.9890**.

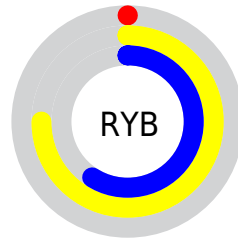
Distribution



Red (16%)

Green (75%)

Blue (0%)



Red (0%)

Yellow (75%)

Blue (59%)

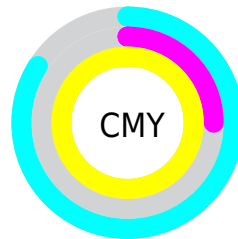


Cyan (79%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (84%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.7641, 38.1707, 6.3260 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 19.7641, 38.1707, 6.3260 by changing the saturation by 10% instead.


 19.7641, 38.1707,
6.3260

 19.7641, 38.1707,
6.3260


243.4932,
338.3517, 171.3522


 12.3309, 26.1152,
2.9723


 42.5283, 72.3697,
19.0931


 7.0433, 16.9098,
1.0805


 58.5900, 95.2820,
29.3436

 3.5358, 10.1702,
0.0000


 78.2587, 122.5820,
42.7302

 1.4430, 5.5120,
0.0000

 101.8996,
154.6541, 59.6713

 0.2866, 2.5507,
0.0000

 129.8782,
191.8828, 80.5855

 0.0000, 0.9019,
0.0000

 162.5597,

 0.0000, 0.0000,

234.6523, 105.8913

0.0000

200.3096,
283.3471, 136.0074

■ 19.7641, 38.1707,
6.3260

■ 19.7641, 38.1707,
6.3260

■ 19.7642, 38.1719,
6.3262

■ 20.6065, 38.5923,
6.9890

■ 21.8206, 39.1908,
8.2841

■ 23.4705, 39.9955,
10.4356

■ 25.5963, 41.0244,
13.5577

■ 28.2332, 42.2938,
17.7472

■ 31.4129, 43.8181,
23.0890

■ 35.1644, 45.6105,
29.6596

■ 39.5147, 47.6835,
37.5288

■ 44.4889, 50.0486,
46.7613

Harmonies

Analogous

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



29.6063, 38.1707, 2.0588



19.7641, 38.1707, 6.3260



15.1868, 38.1707, 23.3777

Triad

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



19.7641, 38.1707, 6.3260



29.2001, 38.1707, 179.9474



71.3875, 38.1707, 24.3017

Complementary

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



19.7641, 38.1707, 6.3260



22.2820, 10.3880, 50.7019

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.



71.1911, 38.1707, 67.3406



19.7641, 38.1707, 6.3260



43.8883, 38.1707, 180.9018

Square

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



19.7641, 38.1707, 6.3260



19.5368, 38.1707, 128.8715



60.1089, 38.1707, 130.9663



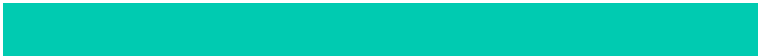
60.5892, 38.1707, 6.6095

Rectangle

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



19.7641, 38.1707, 6.3260



14.6641, 38.1707, 48.3090



60.1089, 38.1707, 130.9663



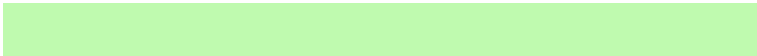
72.6825, 38.1707, 35.4734

Sweetspot

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



19.7650, 38.1723, 6.3269



63.3545, 82.4691, 53.1004



32.7107, 33.1499, 4.6751



12.9488, 17.3854, 10.2565



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.7650, 38.1723, 6.3269



35.6408, 69.0753, 11.4544



19.5263, 37.9712, 9.8415



10.1409, 11.3601, 10.7201



13.3531, 25.7126, 4.2593



0.6366, 1.1417, 0.1868

Inverse Universe

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



22.2820, 10.3880, 50.7019



40.1499, 18.7065, 91.8549



26.2985, 13.0310, 25.0255



10.2801, 10.1355, 12.6994



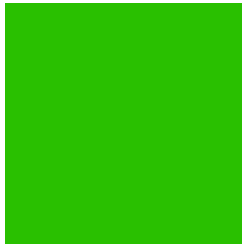
15.0593, 7.0238, 34.1186



0.7045, 0.3312, 1.4767

Previews

White Background



This preview shows how the XYZ color 19.7641, 38.1707, 6.3260 looks on a white background.

Color Contrast Check

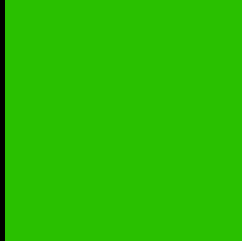
Large Text (above 18pt) WCAG AA × Fail

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 19.7641, 38.1707, 6.3260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

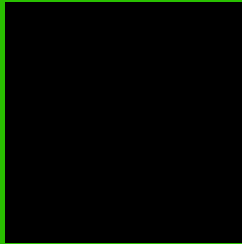
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 19.7641, 38.1707, 6.3260

Background



This preview shows how black text looks on a background with the XYZ color 19.7641, 38.1707, 6.3260.



This preview shows how white text looks on a background with the XYZ color 19.7641, 38.1707,

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

19.7641, 38.1707, 6.3260

Protanopia

33.7048, 37.3494, 5.4327

Deuteranopia

38.0208, 37.2024, 7.2747



Tritanopia

29.5705, 37.7658, 56.1831

Trichromacy



Original Color

19.7641, 38.1707, 6.3260



Protanomaly

25.0028, 35.6465, 5.5627



Deuteranomaly

26.4070, 34.6536, 6.2743



Tritanomaly

23.1072, 36.6366, 24.5926

Monochromacy



Original Color

19.7641, 38.1707, 6.3260



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

16.8115, 24.4538, 11.4234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7641, 38.1707, 6.3260 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(41, 192, 0)` looks like.

```
.text, #text, p{  
    color:rgb(41, 192, 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(41, 192, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 192, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.7641, 38.1707, 6.3260 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(41, 192, 0) }
```


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

```
.border{ border-color:rgb(41, 192, 0) }
```

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

Here you see how a box with a 4 pixel rgb(41, 192, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 192, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 192, 0);  
box-shadow:4px 4px 4px 4px rgb(41, 192, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.7641, 38.1707, 6.3260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 192, 0) }
```

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

```
.background{ background-color: rgb(41, 192,  
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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