

Converting Colors

XYZ(20.4277, 38.2690, 6.3100)

Have a look what the booklet for
XYZ(20.4277, 38.2690, 6.3100)
contains.

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Color

**XYZ(20.3757, 38.1611,
6.2919)**

Conversions

Conversions Part 1

Format	Color
Hex	3ABF00
RGB	58, 191, 0
RGB Percent	23%, 75%, 0%
CMY	0.7725, 0.2510, 0.9999
CMYK	0.70, 0.00, 1.00, 0.25
HSL	102°, 100%, 37%
HSV	102°, 100%, 75%
XYZ	20.3757, 38.1611, 6.2919
YIQ	129.4590, -17.9570, -87.5970

Conversions

Conversions Part 2

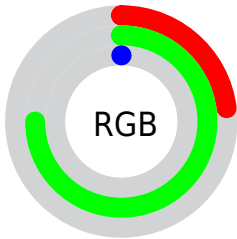
Format	Color
RYB	0, 191, 133
Decimal	3849984
CIELab	68.14, -63.42, 67.75
CIELCh	68, 92.800, 133.113
Yxy	38.1611, 0.3143, 0.5886
Android (android.graphics.Color)	4282040064 (0xFF3ABF00)
YUV	129.4590, -63.8233, -62.6695
Hunter-Lab	61.7747, -49.2294, 37.2034

Details

The XYZ color **20.3757, 38.1611, 6.2919** is a dark color, and the websafe version is hex **33CC00**. A complement of this color would be **19.0811, 8.7506, 49.9756**, and the grayscale version is **21.2511, 22.3578, 24.3477**.

A 20% lighter version of the original color is **43.7444, 72.6759, 19.1194**, and **8.8042, 17.6083, 2.9347** is the 20% darker color. If you saturate the color by 10%, you get **20.3757, 38.1622, 6.2921**, and if you desaturate by 10%, it is **21.3708, 38.6616, 6.9576**.

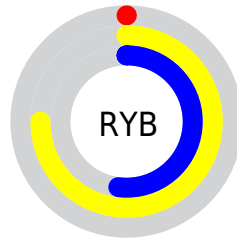
Distribution



Red (23%)

Green (75%)

Blue (0%)



Red (0%)

Yellow (75%)

Blue (52%)

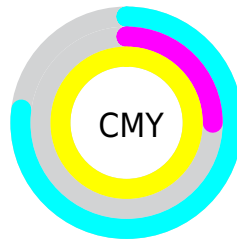


Cyan (70%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (77%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3757, 38.1611, 6.2919 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 20.3757, 38.1611, 6.2919 by changing the saturation by 10% instead.


 20.3757, 38.1611,
6.2919


 20.3757, 38.1611,
6.2919


246.7368,
338.3105, 171.0443


 12.7783, 26.1077,
2.9517


 43.5453, 72.3550,
19.0218


 7.3520, 16.9043,
1.0700


 59.8483, 95.2643,
29.2487


 3.7315, 10.1663,
0.0000


 79.7837, 122.5611,
42.6082

 1.5514, 5.5093,
0.0000

 103.7171,
154.6297, 59.5189

 0.3604, 2.5491,
0.0000

 132.0138,
191.8546, 80.3993

 0.0000, 0.9011,
0.0000

 165.0390,

 0.0000, 0.0000,

234.6201, 105.6680

0.0000

203.1582,
283.3106, 135.7434

■ 20.3757, 38.1611,
6.2919

■ 20.3757, 38.1611,
6.2919

■ 20.3757, 38.1622,
6.2921

■ 21.3708, 38.6616,
6.9576

■ 22.6954, 39.3173,
8.2453

■ 24.4049, 40.1531,
10.3771

■ 26.5324, 41.1837,
13.4654

■ 29.1068, 42.4219,
17.6053

■ 32.1542, 43.8793,
22.8807

■ 35.6986, 45.5667,
29.3665

■ 39.7621, 47.4938,
37.1318

■ 44.3654, 49.6701,
46.2399

Harmonies

Analogous

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



30.3139, 38.1611, 2.2260



20.3757, 38.1611, 6.2919



15.6193, 38.1611, 22.4248

Triad

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



20.3757, 38.1611, 6.2919



28.7691, 38.1611, 174.0896



70.7076, 38.1611, 25.9588

Complementary

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



20.3757, 38.1611, 6.2919



19.0811, 8.7506, 49.9756

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.



69.9694, 38.1611, 69.2862



20.3757, 38.1611, 6.2919



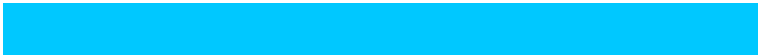
42.9615, 38.1611, 177.6467

Square

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



20.3757, 38.1611, 6.2919



19.5055, 38.1611, 123.3474



58.8218, 38.1611, 131.1790



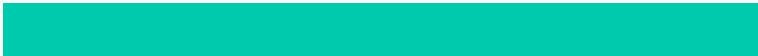
60.6301, 38.1611, 7.4071

Rectangle

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



20.3757, 38.1611, 6.2919



14.9674, 38.1611, 46.0330



58.8218, 38.1611, 131.1790



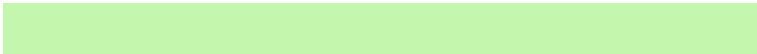
71.7818, 38.1611, 37.3697

Sweetspot

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



20.3766, 38.1627, 6.2928



63.6046, 81.4505, 51.9780



29.5395, 27.1822, 3.6904



13.3517, 17.5931, 10.2753



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.



20.3766, 38.1627, 6.2928



36.2768, 68.2354, 11.2588



18.9357, 37.3848, 7.8107



9.6739, 10.7863, 10.1487



13.4627, 25.1162, 4.1383



0.5959, 1.0192, 0.1653

Inverse Universe

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



19.0811, 8.7506, 49.9756



33.9125, 15.5369, 89.4907



27.4868, 13.4772, 32.6006



9.6404, 9.5470, 12.0069



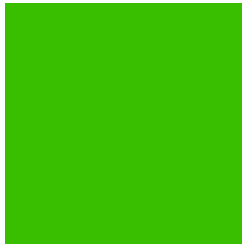
12.6234, 5.7937, 32.8459



0.5580, 0.2597, 1.2896

Previews

White Background



This preview shows how the XYZ color 20.3757, 38.1611, 6.2919 looks on a white background.

Color Contrast Check

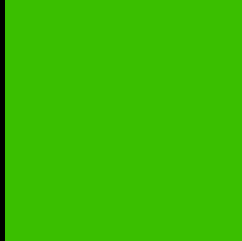
Large Text (above 18pt) WCAG AA × Fail

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 20.3757, 38.1611, 6.2919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

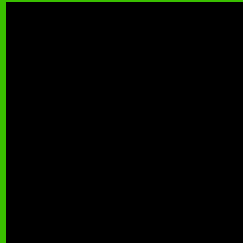
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.3757, 38.1611, 6.2919

Background



This preview shows how black text looks on a background with the XYZ color 20.3757, 38.1611, 6.2919.



This preview shows how white text looks on a background with the XYZ color 20.3757, 38.1611,

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

20.3757, 38.1611, 6.2919

Protanopia

33.7048, 37.3494, 5.4327

Deuteranopia

38.0208, 37.2024, 7.2747



Tritanopia

30.2587, 38.1334, 55.6348

Trichromacy



Original Color

20.3757, 38.1611, 6.2919



Protanomaly

25.7835, 35.7611, 5.5436



Deuteranomaly

27.5113, 35.2228, 6.3260



Tritanomaly

23.9260, 37.0660, 24.3058

Monochromacy



Original Color

20.3757, 38.1611, 6.2919



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

18.3447, 25.9492, 12.0245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3757, 38.1611, 6.2919 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(58, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(58, 191, 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(58, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 191, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.3757, 38.1611, 6.2919 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(58, 191, 0) }
```


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

```
.border{ border-color:rgb(58, 191, 0) }
```

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

Here you see how a box with a 4 pixel rgb(58, 191, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(58, 191, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.3757, 38.1611, 6.2919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 191, 0) }
```

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

```
.background{ background-color: rgb(58, 191,  
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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