

Converting Colors

XYZ(20.8874, 38.5082, 6.3293)

Have a look what the booklet for
XYZ(20.8874, 38.5082, 6.3293)
contains.

XYZ(20.8108, 38.3854, 6.3123)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.8108, 38.3854,
6.3123)**

Conversions

Conversions Part 1

Format	Color
Hex	41BF00
RGB	65, 191, 0
RGB Percent	25%, 75%, 0%
CMY	0.7451, 0.2510, 0.9999
CMYK	0.66, 0.00, 1.00, 0.25
HSL	100°, 100%, 37%
HSV	100°, 100%, 75%
XYZ	20.8108, 38.3854, 6.3123
YIQ	131.5520, -13.7850, -86.1130

Conversions

Conversions Part 2

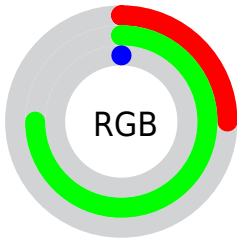
Format	Color
RYB	0, 191, 126
Decimal	4308736
CIELab	68.30, -62.02, 67.95
CIELCh	68, 91.993, 132.388
Yxy	38.3854, 0.3177, 0.5860
Android (android.graphics.Color)	4282498816 (0xFF41BF00)
YUV	131.5520, -64.8551, -58.3661
Hunter-Lab	61.9560, -48.4654, 37.3285

Details

The XYZ color **20.8108, 38.3854, 6.3123** is a dark color, and the websafe version is hex **33CC00**. A complement of this color would be **18.0123, 8.1997, 49.9256**, and the grayscale version is **22.0020, 23.1478, 25.2080**.

A 20% lighter version of the original color is **44.1846, 72.4451, 19.0517**, and **8.8042, 17.6083, 2.9347** is the 20% darker color. If you saturate the color by 10%, you get **20.8106, 38.3865, 6.3125**, and if you desaturate by 10%, it is **21.8595, 38.9135, 6.9805**.

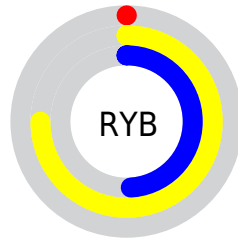
Distribution



Red (25%)

Green (75%)

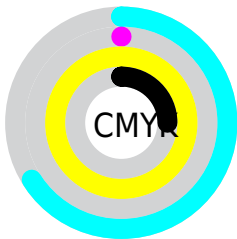
Blue (0%)



Red (0%)

Yellow (75%)

Blue (49%)

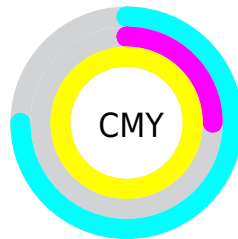


Cyan (66%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (75%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.8108, 38.3854, 6.3123 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 20.8108, 38.3854, 6.3123 by changing the saturation by 10% instead.


 20.8108, 38.3854,
6.3123


 20.8108, 38.3854,
6.3123


249.0221,
339.2704, 171.2286


 13.0974, 26.2819,
2.9640


 44.2661, 72.6985,
19.0645


 7.5731, 17.0347,
1.0763


 60.7387, 95.6769,
29.3055


 3.8725, 10.2592,
0.0000


 80.8619, 123.0491,
42.6812

 1.6303, 5.5712,
0.0000

 105.0008,
155.1994, 59.6101

 0.4120, 2.5861,
0.0000

 133.5210,
192.5123, 80.5107

 0.0000, 0.9197,
0.0000

 166.7877,

 0.0000, 0.0000,

235.3722, 105.8017

0.0000

205.1662,
284.1634, 135.9014

■ 20.8108, 38.3854,
6.3123

■ 20.8108, 38.3854,
6.3123

■ 20.8106, 38.3865,
6.3125

■ 21.8595, 38.9135,
6.9805

■ 23.2213, 39.5884,
8.2700

■ 24.9494, 40.4339,
10.4027

■ 27.0747, 41.4634,
13.4910

■ 29.6244, 42.6888,
17.6299

■ 32.6228, 44.1209,
22.9030

■ 36.0924, 45.7697,
29.3855

■ 40.0537, 47.6441,
37.1460

■ 44.5263, 49.7530,
46.2481

Harmonies

Analogous

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



30.8566, 38.3854, 2.3267



20.8108, 38.3854, 6.3123



15.9339, 38.3854, 22.0889

Triad

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



20.8108, 38.3854, 6.3123



28.7261, 38.3854, 172.2343



70.7917, 38.3854, 26.9774

Complementary

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



20.8108, 38.3854, 6.3123



18.0123, 8.1997, 49.9256

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.



69.7798, 38.3854, 70.6973



20.8108, 38.3854, 6.3123



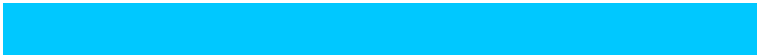
42.7574, 38.3854, 177.0906

Square

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



20.8108, 38.3854, 6.3123



19.6066, 38.3854, 121.3663



58.5338, 38.3854, 132.0758



61.0152, 38.3854, 7.8766

Rectangle

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



20.8108, 38.3854, 6.3123



15.2114, 38.3854, 45.1900



58.5338, 38.3854, 132.0758



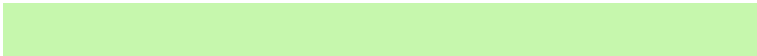
71.7623, 38.3854, 38.5748

Sweetspot

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



20.8117, 38.3870, 6.3132



64.3170, 81.8177, 52.0113



28.7145, 25.5322, 3.4154



13.5218, 17.6808, 10.2833



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.



20.8117, 38.3870, 6.3132



37.0382, 68.6279, 11.2944



18.8495, 37.3504, 7.3569



9.7066, 10.8031, 10.1503



13.7541, 25.2664, 4.1520



0.6100, 1.0264, 0.1660

Inverse Universe

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



18.0123, 8.1997, 49.9256



31.9863, 14.5439, 89.4005



28.0403, 13.6986, 35.5149



9.6061, 9.5293, 12.0053



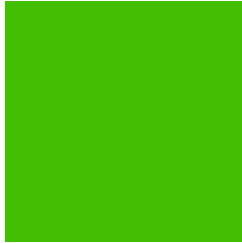
11.9250, 5.4336, 32.8132



0.5344, 0.2475, 1.2885

Previews

White Background



This preview shows how the XYZ color 20.8108, 38.3854, 6.3123 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 20.8108, 38.3854, 6.3123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

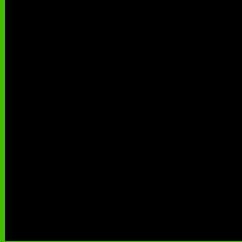
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.8108, 38.3854, 6.3123

Background



This preview shows how black text looks on a background with the XYZ color 20.8108, 38.3854, 6.3123.



This preview shows how white text looks on a background with the XYZ color 20.8108, 38.3854,

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

20.8108, 38.3854, 6.3123

Protanopia

33.8859, 37.7115, 5.4931

Deuteranopia

38.4524, 37.6770, 7.2532



Tritanopia

30.6904, 38.3559, 55.6550

Trichromacy



Original Color

20.8108, 38.3854, 6.3123



Protanomaly

26.4853, 36.4107, 5.6321



Deuteranomaly

28.0737, 35.5140, 6.2950



Tritanomaly

24.3768, 37.2984, 24.3269

Monochromacy



Original Color

20.8108, 38.3854, 6.3123



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

19.1758, 26.6107, 12.5132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8108, 38.3854, 6.3123 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(65, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(65, 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(65, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 191, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.8108, 38.3854, 6.3123 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(65, 191, 0) }
```


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

```
.border{ border-color:rgb(65, 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(65, 191, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(65, 191, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.8108, 38.3854, 6.3123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 191, 0) }
```

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

```
.background{ background-color: rgb(65, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor