

Converting Colors

XYZ(20.7427, 38.4314, 6.3247)

Have a look what the booklet for
XYZ(20.7427, 38.4314, 6.3247)
contains.

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Color

**XYZ(20.6807, 38.3184,
6.3062)**

Conversions

Conversions Part 1

Format	Color
Hex	3FBF00
RGB	63, 191, 0
RGB Percent	25%, 75%, 0%
CMY	0.7529, 0.2510, 0.9999
CMYK	0.67, 0.00, 1.00, 0.25
HSL	100°, 100%, 37%
HSV	100°, 100%, 75%
XYZ	20.6807, 38.3184, 6.3062
YIQ	130.9540, -14.9770, -86.5370

Conversions

Conversions Part 2

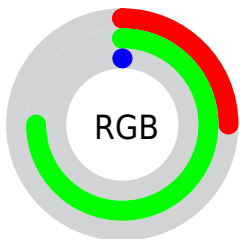
Format	Color
RYB	0, 191, 128
Decimal	4177664
CIELab	68.25, -62.43, 67.89
CIELCh	68, 92.231, 132.605
Yxy	38.3184, 0.3167, 0.5868
Android (android.graphics.Color)	4282367744 (0xFF3FBF00)
YUV	130.9540, -64.5603, -59.5957
Hunter-Lab	61.9019, -48.6935, 37.2912

Details

The XYZ color **20.6807, 38.3184, 6.3062** is a dark color, and the websafe version is hex **33CC00**. A complement of this color would be **18.3104, 8.3533, 49.9396**, and the grayscale version is **21.7859, 22.9204, 24.9603**.

A 20% lighter version of the original color is **43.8808, 72.2885, 19.0375**, and **8.8042, 17.6083, 2.9347** is the 20% darker color. If you saturate the color by 10%, you get **20.6806, 38.3195, 6.3064**, and if you desaturate by 10%, it is **21.7149, 38.8390, 6.9737**.

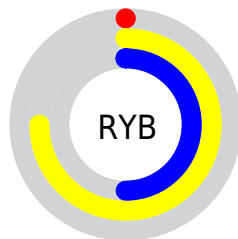
Distribution



Red (25%)

Green (75%)

Blue (0%)



Red (0%)

Yellow (75%)

Blue (50%)

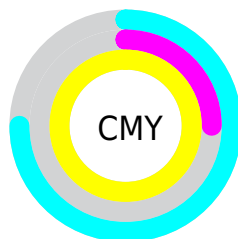


Cyan (67%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (75%)

Magenta (25%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6807, 38.3184, 6.3062 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 20.6807, 38.3184, 6.3062 by changing the saturation by 10% instead.

■ 20.6807, 38.3184,
6.3062

■ 20.6807, 38.3184,
6.3062

248.3406,
338.9839, 171.1735

■ 13.0019, 26.2299,
2.9604

■ 44.0508, 72.5959,
19.0517

■ 7.5069, 16.9957,
1.0744

■ 60.4729, 95.5537,
29.2885

■ 3.8302, 10.2314,
0.0000

■ 80.5401, 122.9034,
42.6594

■ 1.6065, 5.5527,
0.0000

■ 104.6178,
155.0293, 59.5828

■ 0.3967, 2.5750,
0.0000

■ 133.0713,
192.3160, 80.4774

■ 0.0000, 0.9141,
0.0000

■ 166.2661,

■ 0.0000, 0.0000,

235.1477, 105.7617

0.0000

204.5674,
283.9088, 135.8542

■ 20.6807, 38.3184,
6.3062

■ 20.6807, 38.3184,
6.3062

■ 20.6806, 38.3195,
6.3064

■ 21.7149, 38.8390,
6.9737

■ 23.0669, 39.5089,
8.2627

■ 24.7904, 40.3520,
10.3952

■ 26.9172, 41.3822,
13.4835

■ 29.4746, 42.6116,
17.6227

■ 32.4877, 44.0513,
22.8965

■ 35.9791, 45.7113,
29.3799

■ 39.9700, 47.6011,
37.1418

■ 44.4803, 49.7293,
46.2456

Harmonies

Analogous

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



30.6944, 38.3184, 2.2965



20.6807, 38.3184, 6.3062



15.8399, 38.3184, 22.1883

Triad

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



20.6807, 38.3184, 6.3062



28.7387, 38.3184, 172.7833



70.7662, 38.3184, 26.6717

Complementary

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



20.6807, 38.3184, 6.3062



18.3104, 8.3533, 49.9396

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.



69.8357, 38.3184, 70.2754



20.6807, 38.3184, 6.3062



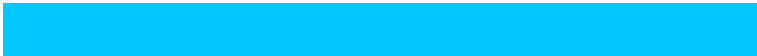
42.8178, 38.3184, 177.2546

Square

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



20.6807, 38.3184, 6.3062



19.5764, 38.3184, 121.9522



58.6189, 38.3184, 131.8079



60.9002, 38.3184, 7.7350

Rectangle

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



20.6807, 38.3184, 6.3062



15.1385, 38.3184, 45.4392



58.6189, 38.3184, 131.8079



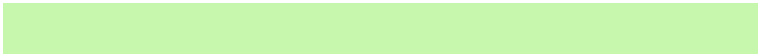
71.7677, 38.3184, 38.2137

Sweetspot

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



20.6816, 38.3200, 6.3071



64.1121, 81.7121, 52.0017



29.1206, 26.3443, 3.5507



13.4728, 17.6556, 10.2810



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.



20.6816, 38.3200, 6.3071



36.8100, 68.5103, 11.2837



18.8906, 37.3668, 7.5728



9.6972, 10.7983, 10.1498



13.6671, 25.2215, 4.1479



0.6059, 1.0243, 0.1658

Inverse Universe

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



18.3104, 8.3533, 49.9396



32.5231, 14.8206, 89.4256



27.7601, 13.5865, 34.0391



9.6159, 9.5344, 12.0057



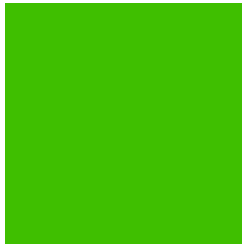
12.1198, 5.5341, 32.8223



0.5410, 0.2510, 1.2888

Previews

White Background



This preview shows how the XYZ color 20.6807, 38.3184, 6.3062 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 20.6807, 38.3184, 6.3062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

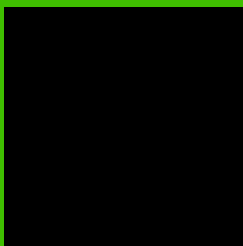
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

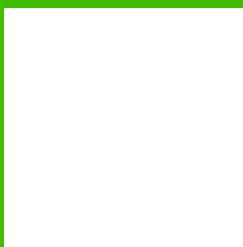
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.6807, 38.3184, 6.3062

Background



This preview shows how black text looks on a background with the XYZ color 20.6807, 38.3184, 6.3062.



This preview shows how white text looks on a background with the XYZ color 20.6807, 38.3184,

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

20.6807, 38.3184, 6.3062

Protanopia

33.8859, 37.7115, 5.4931

Deuteranopia

38.4524, 37.6770, 7.2532



Tritanopia

30.5804, 38.2992, 55.6499

Trichromacy



Original Color

20.6807, 38.3184, 6.3062



Protanomaly

26.3145, 36.3227, 5.6241



Deuteranomaly

27.8810, 35.4147, 6.2859



Tritanomaly

24.2841, 37.2505, 24.3225

Monochromacy



Original Color

20.6807, 38.3184, 6.3062



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

18.8964, 26.4712, 12.2971

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6807, 38.3184, 6.3062 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(63, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(63, 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(63, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 191, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.6807, 38.3184, 6.3062 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(63, 191, 0) }
```


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

```
.border{ border-color:rgb(63, 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(63, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(63, 191, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.6807, 38.3184, 6.3062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 191, 0) }
```

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

```
.background{ background-color: rgb(63, 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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