

Converting Colors

XYZ(20.2735, 38.1894, 6.3028)

Have a look what the booklet for
XYZ(20.2735, 38.1894, 6.3028)
contains.

XYZ(20.2063, 38.0738, 6.2840)	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(20.2063, 38.0738,
6.2840)**

Conversions

Conversions Part 1

Format	Color
Hex	37BF00
RGB	55, 191, 0
RGB Percent	22%, 75%, 0%
CMY	0.7843, 0.2510, 0.9999
CMYK	0.71, 0.00, 1.00, 0.25
HSL	103°, 100%, 37%
HSV	103°, 100%, 75%
XYZ	20.2063, 38.0738, 6.2840
YIQ	128.5620, -19.7450, -88.2330

Conversions

Conversions Part 2

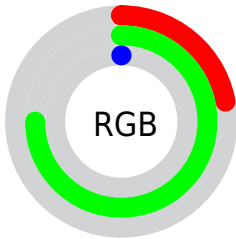
Format	Color
RYB	0, 191, 136
Decimal	3653376
CIELab	68.07, -63.98, 67.67
CIELCh	68, 93.124, 133.395
Yxy	38.0738, 0.3130, 0.5897
Android (android.graphics.Color)	4281843456 (0xFF37BF00)
YUV	128.5620, -63.3811, -64.5139
Hunter-Lab	61.7040, -49.5283, 37.1546

Details

The XYZ color **20.2063, 38.0738, 6.2840** is a dark color, and the websafe version is hex **33CC00**. A complement of this color would be **19.5620, 8.9985, 49.9981**, and the grayscale version is **20.9340, 22.0242, 23.9843**.

A 20% lighter version of the original color is **43.4553, 72.5268, 19.1059**, and **8.8042, 17.6083, 2.9347** is the 20% darker color. If you saturate the color by 10%, you get **20.2063, 38.0749, 6.2842**, and if you desaturate by 10%, it is **21.1762, 38.5613, 6.9485**.

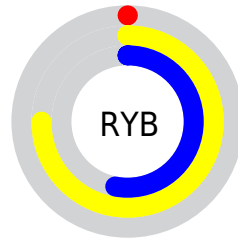
Distribution



Red (22%)

Green (75%)

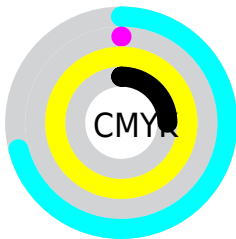
Blue (0%)



Red (0%)

Yellow (75%)

Blue (53%)

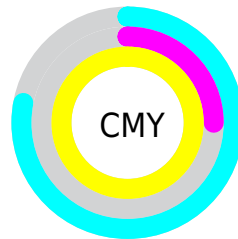


Cyan (71%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (78%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.2063, 38.0738, 6.2840 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 20.2063, 38.0738, 6.2840 by changing the saturation by 10% instead.


 20.2063, 38.0738,
6.2840


 20.2063, 38.0738,
6.2840


245.8421,
337.9364, 170.9728


 12.6542, 26.0400,
2.9470


 43.2641, 72.2212,
19.0053


 7.2662, 16.8535,
1.0676


 59.5005, 95.1036,
29.2267


 3.6770, 10.1301,
0.0000


 79.3625, 122.3710,
42.5799

 1.5211, 5.4853,
0.0000

 103.2153,
154.4078, 59.4835

 0.3401, 2.5347,
0.0000

 131.4243,
191.5983, 80.3561

 0.0000, 0.8940,
0.0000

 164.3548,

 0.0000, 0.0000,

234.3270, 105.6161

0.0000

202.3723,
282.9782, 135.6822

■ 20.2063, 38.0738,
6.2840

■ 20.2063, 38.0738,
6.2840

■ 20.2063, 38.0749,
6.2842

■ 21.1762, 38.5613,
6.9485

■ 22.4823, 39.2075,
8.2354

■ 24.1815, 40.0380,
10.3667

■ 26.3076, 41.0679,
13.4550

■ 28.8906, 42.3105,
17.5954

■ 31.9572, 43.7778,
22.8717

■ 35.5322, 45.4809,
29.3591

■ 39.6383, 47.4300,
37.1263

■ 44.2971, 49.6349,
46.2371

Harmonies

Analogous

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



30.1023, 38.0738, 2.1871



20.2063, 38.0738, 6.2840



15.4968, 38.0738, 22.5587

Triad

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



20.2063, 38.0738, 6.2840



28.7867, 38.0738, 174.8290



70.6761, 38.0738, 25.5650

Complementary

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



20.2063, 38.0738, 6.2840



19.5620, 8.9985, 49.9981

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.



70.0459, 38.0738, 68.7367



20.2063, 38.0738, 6.2840



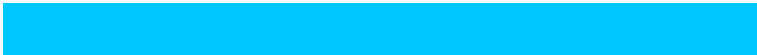
43.0431, 38.0738, 177.8705

Square

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



20.2063, 38.0738, 6.2840



19.4661, 38.0738, 124.1373



58.9371, 38.0738, 130.8297



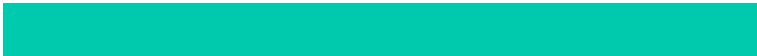
60.4802, 38.0738, 7.2275

Rectangle

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



20.2063, 38.0738, 6.2840



14.8722, 38.0738, 46.3693



58.9371, 38.0738, 130.8297



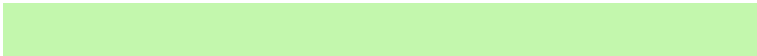
71.7912, 38.0738, 36.9025

Sweetspot

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



20.2072, 38.0754, 6.2849



63.3031, 81.2950, 51.9638



29.9718, 28.0466, 3.8345



13.2799, 17.5561, 10.2720



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.



20.2072, 38.0754, 6.2849



35.9815, 68.0831, 11.2449



18.9852, 37.4046, 8.0713



9.6599, 10.7791, 10.1481



13.3488, 25.0574, 4.1330



0.5899, 1.0161, 0.1650

Inverse Universe

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



19.5620, 8.9985, 49.9981



34.7799, 15.9841, 89.5313



27.2208, 13.3708, 31.1996



9.6551, 9.5546, 12.0075



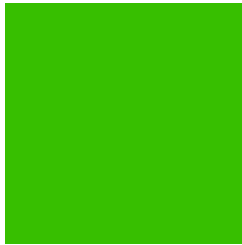
12.9373, 5.9555, 32.8606



0.5684, 0.2650, 1.2901

Previews

White Background



This preview shows how the XYZ color 20.2063, 38.0738, 6.2840 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 20.2063, 38.0738, 6.2840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

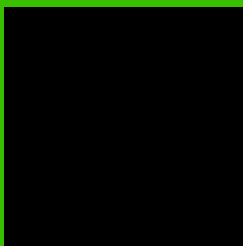
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

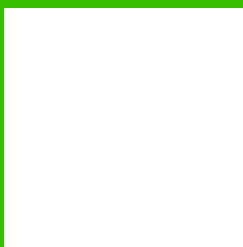
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.2063, 38.0738, 6.2840

Background



This preview shows how black text looks on a background with the XYZ color 20.2063, 38.0738, 6.2840.



This preview shows how white text looks on a background with the XYZ color 20.2063, 38.0738,

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

20.2063, 38.0738, 6.2840

Protanopia

33.7048, 37.3494, 5.4327

Deuteranopia

38.0208, 37.2024, 7.2747



Tritanopia

30.1541, 38.0795, 55.6300

Trichromacy



Original Color

20.2063, 38.0738, 6.2840



Protanomaly

25.6173, 35.6754, 5.5359



Deuteranomaly

27.3233, 35.1259, 6.3172



Tritanomaly

23.7546, 36.9776, 24.2977

Monochromacy



Original Color

20.2063, 38.0738, 6.2840



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

18.2307, 25.8904, 12.0191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2063, 38.0738, 6.2840 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(55, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(55, 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(55, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 191, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.2063, 38.0738, 6.2840 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(55, 191, 0) }
```


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

```
.border{ border-color:rgb(55, 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(55, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(55, 191, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.2063, 38.0738, 6.2840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 191, 0) }
```

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

```
.background{ background-color: rgb(55, 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