

Converting Colors

XYZ(5.7230, 19.1424, 8.0997)

Have a look what the booklet for
XYZ(5.7230, 19.1424, 8.0997)
contains.

XYZ(11.8035, 22.1716, 8.3601)	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(11.8035, 22.1716,
8.3601)**

Conversions

Conversions Part 1

Format	Color
Hex	00963F
RGB	0, 150, 63
RGB Percent	0%, 59%, 25%
CMY	1.0000, 0.4118, 0.7529
CMYK	1.00, 0.00, 0.58, 0.41
HSL	145°, 100%, 29%
HSV	145°, 100%, 59%
XYZ	11.8035, 22.1716, 8.3601
YIQ	95.2320, -61.4730, -58.8570

Conversions

Conversions Part 2

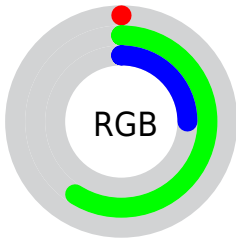
Format	Color
RYB	0, 106, 150
Decimal	38463
CIELab	54.21, -53.17, 36.04
CIELCh	54, 64.233, 145.865
Yxy	22.1716, 0.2788, 0.5237
Android (android.graphics.Color)	4278228543 (0xFF00963F)
YUV	95.2320, -15.8904, -83.5185
Hunter-Lab	47.0867, -37.6562, 22.4340

Details

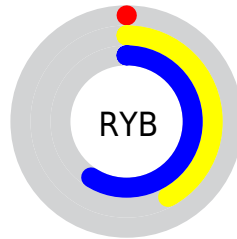
The XYZ color **11.8035, 22.1716, 8.3601** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **14.2985, 7.1724, 9.6477**, and the grayscale version is **10.9808, 11.5527, 12.5809**.

A 20% lighter version of the original color is **28.6497, 46.8333, 23.1525**, and **4.3473, 8.5784, 1.8074** is the 20% darker color. If you saturate the color by 10%, you get **11.8041, 22.1725, 8.3606**, and if you desaturate by 10%, it is **12.2638, 22.3792, 9.7534**.

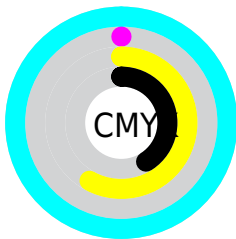
Distribution



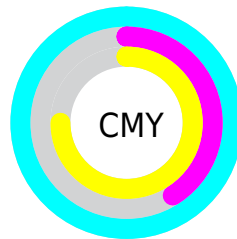
- Red (0%)
- Green (59%)
- Blue (25%)



- Red (0%)
- Yellow (42%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (58%)
- Black (41%)



- Cyan (100%)
- Magenta (41%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8035, 22.1716, 8.3601 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 11.8035, 22.1716, 8.3601 by changing the saturation by 10% instead.

■ 11.8035, 22.1716,
8.3601

■ 11.8035, 22.1716,
8.3601

196.8966,
263.4411, 188.5686

■ 6.6813, 13.9830,
4.2352

■ 28.7567, 47.0295,
23.2191

■ 3.3081, 8.1089,
1.7552

■ 41.3183, 64.4675,
34.7903

■ 1.3187, 4.1647,
0.3982

■ 57.0905, 85.7576,
49.6806

■ 0.1972, 1.7661,
0.0000

■ 76.4386, 111.2840,
68.3087

■ 0.0000, 0.4659,
0.0000

■ 99.7279, 141.4312,
91.0929

■ 0.0000, 0.0000,
0.0000

■ 127.3237,

176.5835, 118.4520

159.5915,
217.1253, 150.8044

■ 11.8035, 22.1716,
8.3601

■ 11.8035, 22.1716,
8.3601

■ 11.8041, 22.1725,
8.3606

■ 12.2638, 22.3792,
9.7534

■ 12.9051, 22.6748,
11.3642

■ 13.7965, 23.0945,
13.2044

■ 14.9657, 23.6524,
15.2831

■ 16.4363, 24.3606,
17.6089

■ 18.2296, 25.2298,
20.1900

■ 20.3647, 26.2698,
23.0338

■ 22.8591, 27.4893,
26.1479

■ 25.7292, 28.8968,
29.5392

Harmonies

Analogous

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



15.7447, 22.1716, 3.4441



11.8035, 22.1716, 8.3601



10.3230, 22.1716, 21.4749

Triad

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



11.8035, 22.1716, 8.3601



20.1207, 22.1716, 86.3371



35.6009, 22.1716, 10.9572

Complementary

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



11.8035, 22.1716, 8.3601



14.2985, 7.1724, 9.6477

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.



37.4907, 22.1716, 27.0193



11.8035, 22.1716, 8.3601



27.4863, 22.1716, 77.8611

Square

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



11.8035, 22.1716, 8.3601



14.4048, 22.1716, 71.9678



34.2461, 22.1716, 52.7645



29.5357, 22.1716, 4.2573

Rectangle

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



11.8035, 22.1716, 8.3601



10.6218, 22.1716, 36.2449



34.2461, 22.1716, 52.7645



36.7958, 22.1716, 15.0854

Sweetspot

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



11.8041, 22.1725, 8.3606



35.6976, 46.2413, 40.3381



14.8843, 23.8641, 3.8217



7.5809, 10.0867, 8.5072



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



11.8041, 22.1725, 8.3606



20.7475, 39.0947, 14.3156



15.4583, 23.6342, 27.6035



5.8246, 6.5064, 6.6873



9.8050, 18.3948, 7.0148



0.1342, 0.2308, 0.1605

Inverse Universe

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



14.2985, 7.1724, 9.6477



25.1439, 12.6217, 16.5579



12.6477, 6.5121, 0.9544



5.9333, 5.8684, 6.7550



11.8746, 5.9549, 8.0868



0.1601, 0.0788, 0.1767

Previews

White Background



This preview shows how the XYZ color 11.8035, 22.1716, 8.3601 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 11.8035, 22.1716, 8.3601 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 × Fail

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

XYZ 11.8035, 22.1716, 8.3601

Background



This preview shows how black text looks on a background with the XYZ color 11.8035, 22.1716, 8.3601.



This preview shows how white text looks on a background with the XYZ color 11.8035, 22.1716,

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

11.8035, 22.1716, 8.3601

Protanopia

19.9165, 21.8356, 7.0359

Deuteranopia

22.3208, 21.8900, 9.0100



Tritanopia

16.9960, 22.2466, 33.1040

Trichromacy



Original Color

11.8035, 22.1716, 8.3601



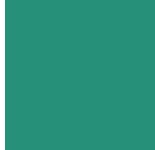
Protanomaly

14.0495, 20.4312, 7.3408



Deuteranomaly

14.7977, 19.9591, 8.5414



Tritanomaly

14.1628, 21.7147, 21.2142

Monochromacy



Original Color

11.8035, 22.1716, 8.3601



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

9.5555, 13.8467, 10.3527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8035, 22.1716, 8.3601 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(0, 150, 63)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 63)  
}
```

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(0, 150, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 63) }
```

Border

The CSS property to change the border of an element to XYZ 11.8035, 22.1716, 8.3601 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(0, 150, 63) }
```


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

```
.border{ border-color:rgb(0, 150, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 150, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 63);  
box-shadow:4px 4px 4px 4px rgb(0, 150, 63)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.8035, 22.1716, 8.3601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 150, 63) }
```

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

```
.background{ background-color: rgb(0, 150,  
63) }
```

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