

Converting Colors

XYZ(11.9128, 22.4383, 3.7032)

Have a look what the booklet for
XYZ(11.9128, 22.4383, 3.7032)
contains.

XYZ(11.8208, 22.2841, 3.6782)	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(11.8208, 22.2841,
3.6782)**

Conversions

Conversions Part 1

Format	Color
Hex	299600
RGB	41, 150, 0
RGB Percent	16%, 59%, 0%
CMY	0.8392, 0.4118, 1.0000
CMYK	0.73, 0.00, 1.00, 0.41
HSL	104°, 100%, 29%
HSV	104°, 100%, 59%
XYZ	11.8208, 22.2841, 3.6782
YIQ	100.3090, -16.8140, -69.7580

Conversions

Conversions Part 2

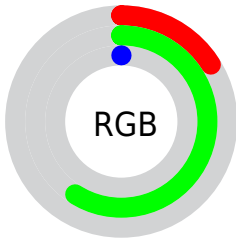
Format	Color
RYB	0, 150, 109
Decimal	2725376
CIELab	54.33, -53.56, 56.60
CIELCh	54, 77.923, 133.417
Yxy	22.2841, 0.3129, 0.5898
Android (android.graphics.Color)	4280915456 (0xFF299600)
YUV	100.3090, -49.4523, -52.0140
Hunter-Lab	47.2060, -37.9126, 28.4245

Details

The XYZ color **11.8208, 22.2841, 3.6782** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **11.8136, 5.4544, 29.2855**, and the grayscale version is **12.3187, 12.9602, 14.1137**.

A 20% lighter version of the original color is **28.7312, 47.0956, 13.2063**, and **4.3677, 8.7354, 1.4559** is the 20% darker color. If you saturate the color by 10%, you get **11.8210, 22.2849, 3.6784**, and if you desaturate by 10%, it is **12.4042, 22.5756, 4.1561**.

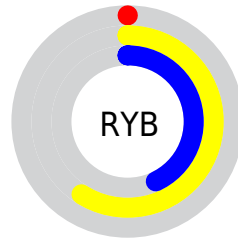
Distribution



Red (16%)

Green (59%)

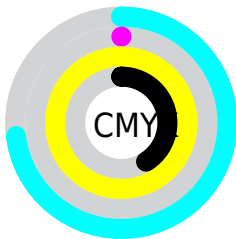
Blue (0%)



Red (0%)

Yellow (59%)

Blue (43%)

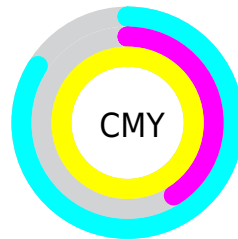


Cyan (73%)

Magenta (0%)

Yellow (100%)

Black (41%)



Cyan (84%)

Magenta (41%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8208, 22.2841, 3.6782 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 11.8208, 22.2841, 3.6782 by changing the saturation by 10% instead.

■ 11.8208, 22.2841,
3.6782

■ 11.8208, 22.2841,
3.6782

197.0095,
264.0263, 144.5784

■ 6.6931, 14.0658,
1.4505

■ 28.7880, 47.2151,
13.2605

■ 3.3155, 8.1664,
0.1807

■ 41.3582, 64.6966,
21.4522

■ 1.3227, 4.2016,
0.0000

■ 57.1400, 86.0346,
32.4691

■ 0.2001, 1.7870,
0.0000

■ 76.4987, 111.6136,
46.7295

■ 0.0000, 0.4790,
0.0000


■ 99.7996, 141.8178,
64.6521


■ 0.0000, 0.0000,
0.0000


■ 127.4082,


177.0317, 86.6555


 159.6897,
217.6398, 113.1581


 11.8208, 22.2841,
3.6782


 11.8208, 22.2841,
3.6782

 11.8210, 22.2849,
3.6784

 12.4042, 22.5756,
4.1561

 13.1786, 22.9576,
4.9657

 14.1819, 23.4472,
6.2621

 15.4332, 24.0528,
8.1058

 16.9492, 24.7818,
10.5488

■ 18.7451, 25.6411,
13.6368

■ 20.8347, 26.6370,
17.4113

■ 23.2312, 27.7753,
21.9101

■ 25.9466, 29.0616,
27.1684

Harmonies

Analogous

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



17.6120, 22.2841, 1.2785



11.8208, 22.2841, 3.6782



9.0660, 22.2841, 13.2118

Triad

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



11.8208, 22.2841, 3.6782



16.8523, 22.2841, 102.3783



41.3719, 22.2841, 14.9475

Complementary

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



11.8208, 22.2841, 3.6782



11.8136, 5.4544, 29.2855

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.



41.0080, 22.2841, 40.2128



11.8208, 22.2841, 3.6782



25.2009, 22.2841, 104.1350

Square

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



11.8208, 22.2841, 3.6782



11.3935, 22.2841, 72.7059



34.5067, 22.2841, 76.5710



35.3978, 22.2841, 4.2227

Rectangle

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



11.8208, 22.2841, 3.6782



8.7017, 22.2841, 27.1598



34.5067, 22.2841, 76.5710



42.0266, 22.2841, 21.5810

Sweetspot

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



11.8213, 22.2850, 3.6787



36.5316, 46.8944, 30.2922



17.8888, 17.1053, 2.3591



7.7744, 10.2393, 6.1264



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.



11.8213, 22.2850, 3.6787



20.7135, 39.2504, 6.4844



11.1746, 21.9207, 5.0452



5.8695, 6.5406, 6.1936



9.8313, 18.4961, 3.0519



0.1456, 0.2394, 0.0385

Inverse Universe

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



11.8136, 5.4544, 29.2855



20.6722, 9.5346, 51.6721



15.8189, 7.7808, 17.6536



5.8824, 5.8303, 7.2851



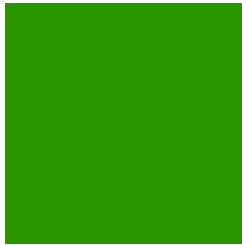
9.8290, 4.5396, 24.2892



0.1487, 0.0702, 0.2986

Previews

White Background



This preview shows how the XYZ color 11.8208, 22.2841, 3.6782 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 11.8208, 22.2841, 3.6782 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 11.8208, 22.2841, 3.6782

Background



This preview shows how black text looks on a background with the XYZ color 11.8208, 22.2841, 3.6782.



This preview shows how white text looks on a background with the XYZ color 11.8208, 22.2841,

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

11.8208, 22.2841, 3.6782

Protanopia

19.7043, 21.8115, 3.1715

Deuteranopia

22.2440, 21.9516, 4.4312



Tritanopia

17.5662, 22.1161, 32.6211

Trichromacy



Original Color

11.8208, 22.2841, 3.6782



Protanomaly

15.1300, 21.0795, 3.2713



Deuteranomaly

15.9850, 20.6771, 3.8104



Tritanomaly

13.8582, 21.4815, 14.4823

Monochromacy



Original Color

11.8208, 22.2841, 3.6782



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

10.6283, 14.9893, 7.1835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8208, 22.2841, 3.6782 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(41, 150, 0)` looks like.

```
.text, #text, p{  
    color:rgb(41, 150, 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(41, 150, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 150, 0) }
```

Border

The CSS property to change the border of an element to XYZ 11.8208, 22.2841, 3.6782 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(41, 150, 0) }
```


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

```
.border{ border-color:rgb(41, 150, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 150, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 150, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 150, 0);  
box-shadow:4px 4px 4px 4px rgb(41, 150, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.8208, 22.2841, 3.6782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 150, 0) }
```

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

```
.background{ background-color: rgb(41, 150,  
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