

Converting Colors

XYZ(11.1093, 21.3977, 0.8055)

Have a look what the booklet for
XYZ(11.1093, 21.3977, 0.8055)
contains.

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Color

**XYZ(11.7166, 21.7607,
3.5827)**

Conversions

Conversions Part 1

Format	Color
Hex	2E9400
RGB	46, 148, 0
RGB Percent	18%, 58%, 0%
CMY	0.8196, 0.4196, 1.0000
CMYK	0.69, 0.00, 1.00, 0.42
HSL	101°, 100%, 29%
HSV	101°, 100%, 58%
XYZ	11.7166, 21.7607, 3.5827
YIQ	100.6300, -13.2840, -67.6520

Conversions

Conversions Part 2

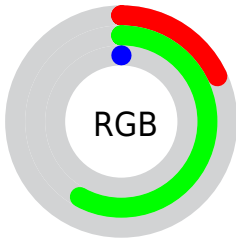
Format	Color
RYB	0, 148, 102
Decimal	3052544
CIELab	53.77, -51.90, 56.21
CIELCh	54, 76.505, 132.718
Yxy	21.7607, 0.3162, 0.5872
Android (android.graphics.Color)	4281242624 (0xFF2E9400)
YUV	100.6300, -49.6106, -47.9105
Hunter-Lab	46.6484, -36.8011, 28.1002

Details

The XYZ color **11.7166, 21.7607, 3.5827** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **10.8270, 4.9642, 28.4058**, and the grayscale version is **12.4012, 13.0470, 14.2082**.

A 20% lighter version of the original color is **28.6145, 46.3297, 13.0646**, and **4.1829, 8.3657, 1.3943** is the 20% darker color. If you saturate the color by 10%, you get **11.7167, 21.7614, 3.5828**, and if you desaturate by 10%, it is **12.3174, 22.0613, 4.0540**.

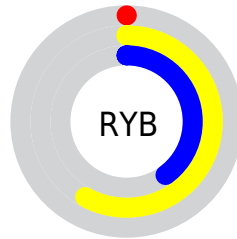
Distribution



Red (18%)

Green (58%)

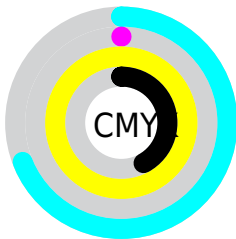
Blue (0%)



Red (0%)

Yellow (58%)

Blue (40%)

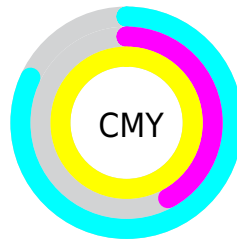


Cyan (69%)

Magenta (0%)

Yellow (100%)

Black (42%)



Cyan (82%)

Magenta (42%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7166, 21.7607, 3.5827 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 11.7166, 21.7607, 3.5827 by changing the saturation by 10% instead.

■ 11.7166, 21.7607,
3.5827

■ 11.7166, 21.7607,
3.5827

196.3284,
261.2940, 143.4676

■ 6.6218, 13.6812,
1.3993

■ 28.5992, 46.3502,
13.0353

■ 3.2710, 7.8993,
0.1412

■ 41.1178, 63.6289,
21.1416

■ 1.2986, 4.0305,
0.0000

■ 56.8417, 84.7428,
32.0593

■ 0.1822, 1.6907,
0.0000

■ 76.1363, 110.0763,
46.2069


■ 0.0000, 0.4176,
0.0000


■ 99.3669, 140.0138,
64.0030


■ 0.0000, 0.0000,
0.0000


■ 126.8989,


174.9396, 85.8661


 159.0976,
215.2383, 112.2148


 11.7166, 21.7607,
3.5827


 11.7166, 21.7607,
3.5827


 11.7167, 21.7614,
3.5828

 12.3174, 22.0613,
4.0540

 13.0937, 22.4448,
4.8446

 14.0814, 22.9270,
6.1069

 15.2975, 23.5156,
7.8993

 16.7571, 24.2170,
10.2720

■ 18.4739, 25.0375,
13.2692

■ 20.4605, 25.9826,
16.9308

■ 22.7284, 27.0575,
21.2935

■ 25.2886, 28.2672,
26.3912

Harmonies

Analogous

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



17.3990, 21.7607, 1.2964



11.7166, 21.7607, 3.5827



8.9757, 21.7607, 12.6417

Triad

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



11.7166, 21.7607, 3.5827



16.3391, 21.7607, 98.3753



40.2167, 21.7607, 15.0702

Complementary

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



11.7166, 21.7607, 3.5827



10.8270, 4.9642, 28.4058

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.



39.7120, 21.7607, 39.8203



11.7166, 21.7607, 3.5827



24.3560, 21.7607, 100.8022

Square

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



11.7166, 21.7607, 3.5827



11.1185, 21.7607, 69.4934



33.3449, 21.7607, 74.8415



34.5822, 21.7607, 4.3550

Rectangle

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



11.7166, 21.7607, 3.5827



8.5833, 21.7607, 25.9024



33.3449, 21.7607, 74.8415



40.7951, 21.7607, 21.6143

Sweetspot

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



11.7171, 21.7616, 3.5832



35.8732, 45.7353, 29.4457



16.8806, 15.6306, 2.1276



7.8721, 10.2897, 6.1309



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.



11.7171, 21.7616, 3.5832



20.5146, 38.3137, 6.3141



10.7900, 21.2607, 4.5806



5.8891, 6.5506, 6.1945



10.0329, 18.6000, 3.0614



0.1504, 0.2419, 0.0388

Inverse Universe

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



10.8270, 4.9642, 28.4058



18.9192, 8.6637, 50.1097



15.6567, 7.6738, 18.7038



5.8618, 5.8197, 7.2841



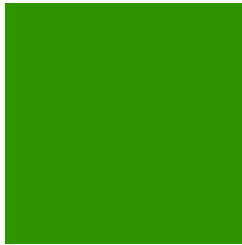
9.2758, 4.2544, 24.2633



0.1439, 0.0677, 0.2984

Previews

White Background



This preview shows how the XYZ color 11.7166, 21.7607, 3.5827 looks on a white background.

Color Contrast Check

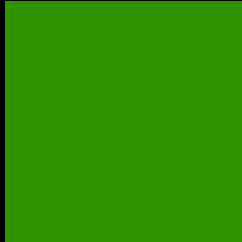
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.7166, 21.7607, 3.5827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

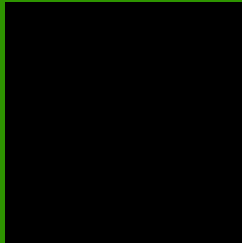
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 11.7166, 21.7607, 3.5827

Background



This preview shows how black text looks on a background with the XYZ color 11.7166, 21.7607, 3.5827.



This preview shows how white text looks on a background with the XYZ color 11.7166, 21.7607,

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

11.7166, 21.7607, 3.5827

Protanopia

19.2208, 21.3676, 3.1113

Deuteranopia

21.7826, 21.3507, 4.2694



Tritanopia

17.4149, 21.8427, 31.7320

Trichromacy



Original Color

11.7166, 21.7607, 3.5827

Protanomaly

14.8483, 20.5161, 3.1774

Deuteranomaly

15.8503, 20.2050, 3.7264

Tritanomaly

13.8529, 21.2622, 14.2004

Monochromacy



Original Color

11.7166, 21.7607, 3.5827

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

10.7972, 15.0764, 7.1914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7166, 21.7607, 3.5827 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(46, 148, 0)` looks like.

```
.text, #text, p{  
    color:rgb(46, 148, 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(46, 148, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 148, 0) }
```

Border

The CSS property to change the border of an element to XYZ 11.7166, 21.7607, 3.5827 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(46, 148, 0) }
```


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

```
.border{ border-color:rgb(46, 148, 0) }
```

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

Here you see how a box with a 4 pixel rgb(46, 148, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 148, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 148, 0);  
box-shadow:4px 4px 4px 4px rgb(46, 148, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.7166, 21.7607, 3.5827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 148, 0) }
```

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

```
.background{ background-color: rgb(46, 148,  
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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