

Converting Colors

XYZ(11.7715, 6.7785, 0.6880)

Have a look what the booklet for
XYZ(11.7715, 6.7785, 0.6880)
contains.

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Color

**XYZ(11.8177, 6.8196,
0.6935)**

Conversions

Conversions Part 1

Format	Color
Hex	8F1F00
RGB	143, 31, 0
RGB Percent	56%, 12%, 0%
CMY	0.4392, 0.8784, 1.0000
CMYK	0.00, 0.78, 1.00, 0.44
HSL	13°, 100%, 28%
HSV	13°, 100%, 56%
XYZ	11.8177, 6.8196, 0.6935
YIQ	60.9540, 76.7030, 14.1030

Conversions

Conversions Part 2

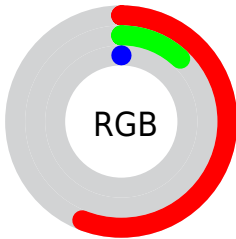
Format	Color
R_{YB}	143, 40, 0
Decimal	9379584
CIE Lab	31.39, 45.28, 44.21
CIE LCh	31, 63.279, 44.314
Yxy	6.8196, 0.6113, 0.3528
Android (android.graphics.Color)	4287569664 (0xFF8F1F00)
YUV	60.9540, -30.0503, 71.9543
Hunter-Lab	26.1144, 35.0776, 16.7055

Details

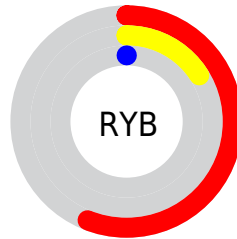
The XYZ color **11.8177, 6.8196, 0.6935** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.7514, 13.5702, 28.0391**, and the grayscale version is **4.4632, 4.6957, 5.1136**.

A 20% lighter version of the original color is **28.6838, 19.5478, 5.0576**, and **3.5673, 1.8390, 0.1669** is the 20% darker color. If you saturate the color by 10%, you get **11.8178, 6.8199, 0.6935**, and if you desaturate by 10%, it is **12.2443, 7.5428, 1.2369**.

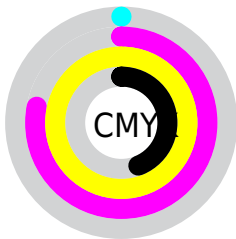
Distribution



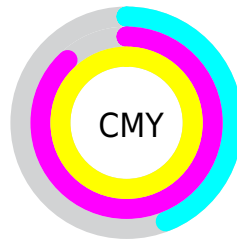
- Red (56%)
- Green (12%)
- Blue (0%)



- Red (56%)
- Yellow (16%)
- Blue (0%)



- Cyan (0%)
- Magenta (78%)
- Yellow (100%)
- Black (44%)




- Cyan (44%)
- Magenta (88%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 11.8177, 6.8196, 0.6935 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 11.8177, 6.8196, 0.6935 by changing the saturation by 10% instead.


 11.8177, 6.8196,
0.6935


 11.8177, 6.8196,
0.6935


 196.9893,
166.1562, 97.3569


 6.6910, 3.3495,
0.0000


 28.7824, 19.6094,
5.0776


 3.3142, 1.3168,
0.0000

 41.3511, 29.6979,
9.6694


 1.3220, 0.1542,
0.0000

 57.1311, 42.7613,
16.4273

 0.1996, 0.0000,
0.0000

 76.4879, 59.1840,
25.7698


 0.0000, 0.0000,
0.0000

 99.7867, 79.3505,
38.1155


 127.3930,


103.6451, 53.8829

 159.6721,
132.4522, 73.4905

 11.8177, 6.8196,
0.6935


 11.8177, 6.8196,
0.6935


 11.8178, 6.8199,
0.6935

 12.2443, 7.5428,
1.2369

 12.8362, 8.5098,
2.1028

 13.6297, 9.7489,
3.4395

 14.6423, 11.2792,
5.3028

 15.8897, 13.1182,
7.7407

■ 17.3862, 15.2820,
10.7958

■ 19.1446, 17.7853,
14.5064

■ 21.1771, 20.6421,
18.9081

■ 23.4948, 23.8656,
24.0335

Harmonies

Analogous

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



14.2455, 6.8196, 3.9248



11.8177, 6.8196, 0.6935



8.2506, 6.8196, 0.0000

Triad

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



11.8177, 6.8196, 0.6935



2.2402, 6.8196, 3.6697



8.0880, 6.8196, 39.8211

Complementary

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



11.8177, 6.8196, 0.6935



10.7514, 13.5702, 28.0391

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.



4.9858, 6.8196, 39.4944



11.8177, 6.8196, 0.6935



2.2218, 6.8196, 12.5591

Square

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



11.8177, 6.8196, 0.6935



3.1188, 6.8196, 0.6186



3.0565, 6.8196, 27.1723



11.6661, 6.8196, 27.8720

Rectangle

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



11.8177, 6.8196, 0.6935



6.0392, 6.8196, 0.0000



3.0565, 6.8196, 27.1723



6.9456, 6.8196, 41.3309

Sweetspot

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



11.8178, 6.8200, 0.6936



34.0706, 31.5472, 25.5201



14.2532, 7.0099, 15.9360



7.5298, 6.8325, 5.2503



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



11.8178, 6.8200, 0.6936



21.0572, 12.0000, 1.2064



16.1267, 15.4377, 2.1299



5.4978, 5.6019, 5.6809



10.4627, 6.0571, 0.6177



0.1138, 0.0854, 0.0105

Inverse Universe

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



10.7514, 13.5702, 28.0391



19.1250, 24.0438, 50.1710



5.7343, 3.5359, 26.3667



5.4624, 5.9206, 6.8837



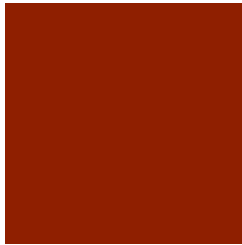
9.5219, 12.0298, 24.7972



0.1069, 0.1468, 0.2424

Previews

White Background



This preview shows how the XYZ color 11.8177, 6.8196, 0.6935 looks on a white 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

Black 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

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

XYZ 11.8177, 6.8196, 0.6935

Background



This preview shows how black text looks on a background with the XYZ color 11.8177, 6.8196, 0.6935.



This preview shows how white text looks on a background with the XYZ color 11.8177, 6.8196,

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

11.8177, 6.8196, 0.6935

Protanopia

6.4319, 7.1406, 1.5696

Deuteranopia

7.0367, 7.0676, 0.9933



Tritanopia

11.9888, 6.8071, 1.8444

Trichromacy



Original Color

11.8177, 6.8196, 0.6935

Protanomaly

7.6201, 6.3201, 1.1349

Deuteranomaly

8.1452, 6.3710, 0.8004

Tritanomaly

11.9011, 6.8119, 1.2598

Monochromacy



Original Color

11.8177, 6.8196, 0.6935

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

5.8212, 4.6518, 2.5105

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8177, 6.8196, 0.6935 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(143, 31, 0)` looks like.

```
.text, #text, p{  
    color:rgb(143, 31, 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(143, 31, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 31, 0) }
```

Border

The CSS property to change the border of an element to XYZ 11.8177, 6.8196, 0.6935 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(143, 31, 0) }
```


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

```
.border{ border-color:rgb(143, 31, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 31, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 31, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 31, 0);  
box-shadow:4px 4px 4px 4px rgb(143, 31, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.8177, 6.8196, 0.6935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 31, 0) }
```

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

```
.background{ background-color: rgb(143, 31,  
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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