

Converting Colors

XYZ(11.8559, 6.0984, 1.1658)

Have a look what the booklet for
XYZ(11.8559, 6.0984, 1.1658)
contains.

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Color

**XYZ(11.7946, 6.0668,
1.1655)**

Conversions

Conversions Part 1

Format	Color
Hex	910013
RGB	145, 0, 19
RGB Percent	57%, 0%, 7%
CMY	0.4314, 0.9999, 0.9255
CMYK	0.00, 1.00, 0.87, 0.43
HSL	352°, 100%, 28%
HSV	352°, 100%, 57%
XYZ	11.7946, 6.0668, 1.1655
YIQ	45.5210, 80.3210, 36.6490

Conversions

Conversions Part 2

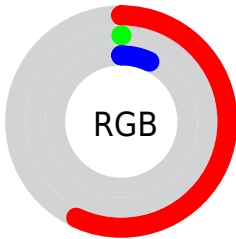
Format	Color
RYB	145, 0, 19
Decimal	9502739
CIELab	29.58, 52.93, 34.51
CIELCh	30, 63.183, 33.106
Yxy	6.0668, 0.6199, 0.3189
Android (android.graphics.Color)	4287692819 (0xFF910013)
YUV	45.5210, -13.0749, 87.2431
Hunter-Lab	24.6309, 42.3715, 14.4361

Details

The XYZ color **11.7946, 6.0668, 1.1655** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **13.8928, 21.7576, 23.2131**, and the grayscale version is **2.5558, 2.6889, 2.9283**.

A 20% lighter version of the original color is **28.8549, 18.1197, 6.5341**, and **3.7463, 1.9313, 0.1753** is the 20% darker color. If you saturate the color by 10%, you get **11.7943, 6.0666, 1.1646**, and if you desaturate by 10%, it is **12.0964, 6.4501, 1.9458**.

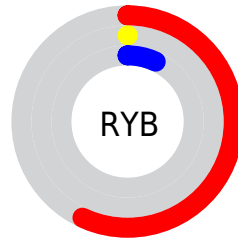
Distribution



Red (57%)

Green (0%)

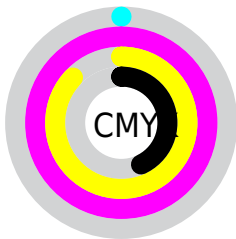
Blue (7%)



Red (57%)

Yellow (0%)

Blue (7%)

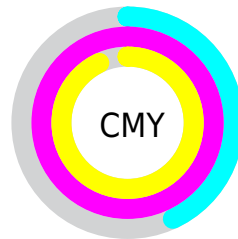


Cyan (0%)

Magenta (100%)

Yellow (87%)

Black (43%)



Cyan (43%)


Magenta (100%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 11.7946, 6.0668, 1.1655 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 11.7946, 6.0668, 1.1655 by changing the saturation by 10% instead.


 11.7946, 6.0668,
1.1655


 11.7946, 6.0668,
1.1655


 196.8385,
159.6675, 107.6620


 6.6752, 2.8857,
0.0000


 28.7406, 18.0696,
6.5989

 3.3043, 1.0724,
0.0000

 41.2978, 27.6601,
11.9670


 1.3167, 0.0000,
0.0000

 57.0651, 40.1558,
19.6607

 0.1956, 0.0000,
0.0000


 76.4076, 55.9413,
30.0985

 0.0000, 0.0000,
0.0000


 99.6909, 75.4007,
43.6990

 127.2803, 98.9187,

60.8807


 159.5410,
126.8795, 82.0622


 11.7946, 6.0668,
1.1655


 11.7946, 6.0668,
1.1655


 11.7943, 6.0666,
1.1646

 12.0964, 6.4501,
1.9458

 12.5753, 7.0829,
3.1074

 13.2936, 8.0791,
4.7044

 14.2780, 9.4828,
6.7747

 15.5516, 11.3316,
9.3522

■ 17.1349, 13.6588,
12.4675

■ 19.0466, 16.4948,
16.1489

■ 21.3038, 19.8671,
20.4225

■ 23.9226, 23.8015,
25.3130

Harmonies

Analogous

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



13.2962, 6.0668, 5.7796



11.7946, 6.0668, 1.1655



8.6667, 6.0668, 0.0000

Triad

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



11.7946, 6.0668, 1.1655



2.0917, 6.0668, 1.7019



6.0730, 6.0668, 38.7052

Complementary

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



11.7946, 6.0668, 1.1655



13.8928, 21.7576, 23.2131

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.



3.5981, 6.0668, 33.4392



11.7946, 6.0668, 1.1655



1.8041, 6.0668, 7.5071

Square

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



11.7946, 6.0668, 1.1655



3.2302, 6.0668, 0.0000



2.2488, 6.0668, 19.6887



9.3699, 6.0668, 30.9583

Rectangle

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



11.7946, 6.0668, 1.1655



6.4602, 6.0668, 0.0000



2.2488, 6.0668, 19.6887



5.1240, 6.0668, 38.4076

Sweetspot

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



11.7947, 6.0672, 1.1656



33.8723, 29.1862, 28.4666



13.6665, 6.4553, 27.3135



7.2373, 6.0500, 5.7616



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.



11.7947, 6.0672, 1.1656



21.0842, 10.8494, 1.8858



12.9584, 8.5824, 0.9742



5.4358, 5.4349, 5.7932



10.1225, 5.2060, 1.0305



0.1012, 0.0516, 0.0334

Inverse Universe

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



11.7947, 6.0672, 1.1656



21.0842, 10.8494, 1.8858



8.9245, 9.6713, 28.1842



5.4358, 5.4349, 5.7932



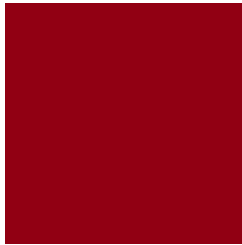
10.1225, 5.2060, 1.0305



0.1012, 0.0516, 0.0334

Previews

White Background



This preview shows how the XYZ color 11.7946, 6.0668, 1.1655 looks on a white background.

Color Contrast Check

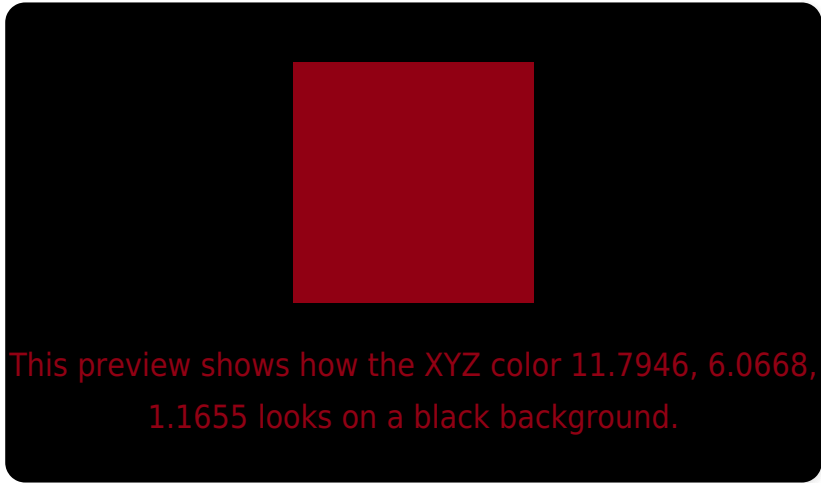
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.7946, 6.0668, 1.1655

Background



This preview shows how black text looks on a background with the XYZ color 11.7946, 6.0668, 1.1655.



This preview shows how white text looks on a background with the XYZ color 11.7946, 6.0668,

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

11.7946, 6.0668, 1.1655

Protanopia

6.0366, 6.6187, 2.3259

Deuteranopia

6.7044, 6.7075, 0.9413



Tritanopia

11.6455, 6.2171, 0.5862

Trichromacy



Original Color

11.7946, 6.0668, 1.1655

Protanomaly

6.8837, 4.9762, 1.6346

Deuteranomaly

7.6588, 5.3369, 0.8275

Tritanomaly

11.6268, 6.1183, 0.7692

Monochromacy



Original Color

11.7946, 6.0668, 1.1655

Achromatopsia

2.5969, 2.7321, 2.9752

Achromatomaly

4.2375, 2.7999, 1.9862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7946, 6.0668, 1.1655 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(145, 0, 19)` looks like.

```
.text, #text, p{  
    color:rgb(145, 0, 19)  
}
```

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(145, 0, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 0, 19) }
```

Border

The CSS property to change the border of an element to XYZ 11.7946, 6.0668, 1.1655 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(145, 0, 19) }
```


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

```
.border{ border-color:rgb(145, 0, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 0, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 0, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 0, 19);  
box-shadow:4px 4px 4px 4px rgb(145, 0, 19)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.7946, 6.0668, 1.1655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 0, 19) }
```

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

```
.background{ background-color: rgb(145, 0,  
19) }
```

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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