

Converting Colors

XYZ(11.8836, 6.1095, 1.3116)

Have a look what the booklet for
XYZ(11.8836, 6.1095, 1.3116)
contains.

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Color

**XYZ(11.8219, 6.0777,
1.3091)**

Conversions

Conversions Part 1

Format	Color
Hex	910016
RGB	145, 0, 22
RGB Percent	57%, 0%, 9%
CMY	0.4314, 0.9999, 0.9137
CMYK	0.00, 1.00, 0.85, 0.43
HSL	351°, 100%, 28%
HSV	351°, 100%, 57%
XYZ	11.8219, 6.0777, 1.3091
YIQ	45.8630, 79.3580, 37.5820

Conversions

Conversions Part 2

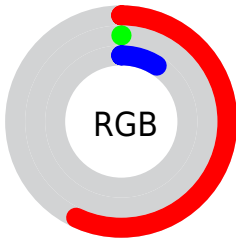
Format	Color
RYB	145, 0, 22
Decimal	9502742
CIELab	29.61, 53.00, 32.82
CIELCh	30, 62.338, 31.764
Yxy	6.0777, 0.6154, 0.3164
Android (android.graphics.Color)	4287692822 (0xFF910016)
YUV	45.8630, -11.7645, 86.9431
Hunter-Lab	24.6530, 42.4537, 14.1087

Details

The XYZ color **11.8219, 6.0777, 1.3091** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **13.7020, 21.6814, 22.2082**, and the grayscale version is **2.5898, 2.7247, 2.9672**.

A 20% lighter version of the original color is **28.6610, 18.0099, 6.9667**, and **3.7463, 1.9313, 0.1753** is the 20% darker color. If you saturate the color by 10%, you get **11.8216, 6.0776, 1.3082**, and if you desaturate by 10%, it is **12.1342, 6.4652, 2.1447**.

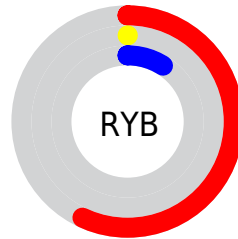
Distribution



Red (57%)

Green (0%)

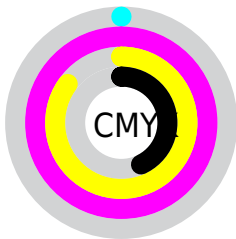
Blue (9%)



Red (57%)

Yellow (0%)

Blue (9%)

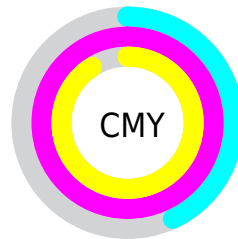


Cyan (0%)

Magenta (100%)

Yellow (85%)

Black (43%)



Cyan (43%)

Magenta (100%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8219, 6.0777, 1.3091 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 11.8219, 6.0777, 1.3091 by changing the saturation by 10% instead.

■ 11.8219, 6.0777,
1.3091

■ 11.8219, 6.0777,
1.3091

■ 197.0167,
159.7639, 110.5083

■ 6.6939, 2.8924,
0.0692

■ 28.7900, 18.0921,
7.0473

■ 3.3160, 1.0758,
0.0000

■ 41.3608, 27.6900,
12.6312

■ 1.3230, 0.0000,
0.0000

■ 57.1431, 40.1942,
20.5829

■ 0.2003, 0.0000,
0.0000

■ 76.5025, 55.9892,
31.3210


■ 0.0000, 0.0000,
0.0000


■ 99.8042, 75.4592,
45.2641


■ 127.4135, 98.9887,

62.8306


 159.6959,
126.9622, 84.4392

 11.8219, 6.0777,
1.3091


 11.8219, 6.0777,
1.3091


 11.8216, 6.0776,
1.3082

 12.1342, 6.4652,
2.1447

 12.6220, 7.1015,
3.3531

 13.3469, 8.1004,
4.9849

 14.3351, 9.5055,
7.0754

 15.6092, 11.3545,
9.6560

■ 17.1895, 13.6805,
12.7553

■ 19.0941, 16.5136,
16.3998

■ 21.3401, 19.8814,
20.6141

■ 23.9431, 23.8094,
25.4212

Harmonies

Analogous

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



13.1944, 6.0777, 6.1448



11.8219, 6.0777, 1.3091



8.7861, 6.0777, 0.0000

Triad

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



11.8219, 6.0777, 1.3091



2.1618, 6.0777, 1.6152



5.9475, 6.0777, 38.1059

Complementary

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



11.8219, 6.0777, 1.3091



13.7020, 21.6814, 22.2082

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.



3.5473, 6.0777, 32.4220



11.8219, 6.0777, 1.3091



1.8409, 6.0777, 7.1140

Square

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



11.8219, 6.0777, 1.3091



3.3398, 6.0777, 0.0000



2.2508, 6.0777, 18.8413



9.1794, 6.0777, 31.0443

Rectangle

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



11.8219, 6.0777, 1.3091



6.6002, 6.0777, 0.0000



2.2508, 6.0777, 18.8413



5.0247, 6.0777, 37.6106

Sweetspot

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



11.8220, 6.0781, 1.3092



33.9588, 29.2208, 28.9220



12.9733, 6.0979, 27.2811



7.2578, 6.0582, 5.8692



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.



11.8220, 6.0781, 1.3092



21.1289, 10.8673, 2.1211



12.7483, 8.1622, 0.9041



5.4402, 5.4366, 5.8158



10.1465, 5.2156, 1.1568



0.1021, 0.0519, 0.0379

Inverse Universe

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



11.8220, 6.0781, 1.3092



21.1289, 10.8673, 2.1211



9.3556, 10.5336, 28.3280



5.4402, 5.4366, 5.8158



10.1465, 5.2156, 1.1568



0.1021, 0.0519, 0.0379

Previews

White Background



This preview shows how the XYZ color 11.8219, 6.0777, 1.3091 looks on a white background.

Color Contrast Check

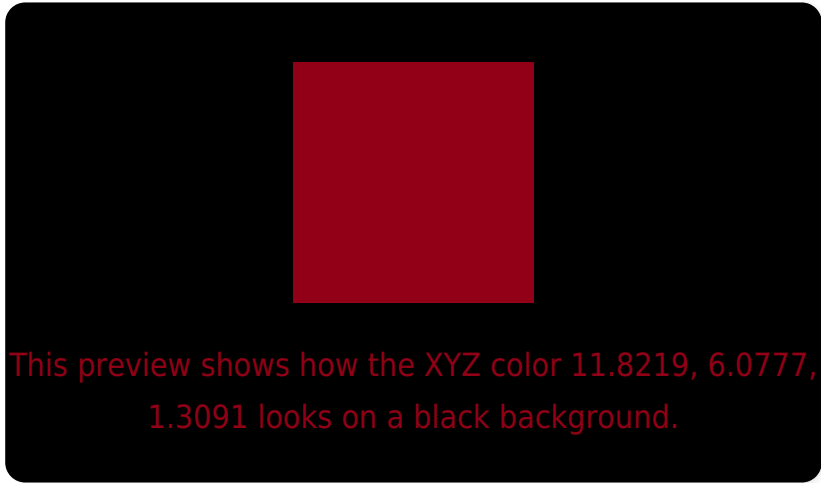
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.8219, 6.0777, 1.3091

Background



This preview shows how black text looks on a background with the XYZ color 11.8219, 6.0777, 1.3091.



This preview shows how white text looks on a background with the XYZ color 11.8219, 6.0777,

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

11.8219, 6.0777, 1.3091

Protanopia

6.0943, 6.6418, 2.6299

Deuteranopia

6.7044, 6.7075, 0.9413



Tritanopia

11.6455, 6.2171, 0.5862

Trichromacy



Original Color

11.8219, 6.0777, 1.3091

Protanomaly

6.9332, 4.9960, 1.8952

Deuteranomaly

7.6643, 5.3390, 0.8563

Tritanomaly

11.6323, 6.1205, 0.7980

Monochromacy



Original Color

11.8219, 6.0777, 1.3091

Achromatopsia

2.5969, 2.7321, 2.9752

Achromatomaly

4.2530, 2.8061, 2.0677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8219, 6.0777, 1.3091 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, 22)` looks like.

```
.text, #text, p{  
    color:rgb(145, 0, 22)  
}
```

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, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 0, 22) }
```

Border

The CSS property to change the border of an element to XYZ 11.8219, 6.0777, 1.3091 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, 22) }
```


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

```
.border{ border-color:rgb(145, 0, 22) }
```

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, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 0, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 0, 22);  
box-shadow:4px 4px 4px 4px rgb(145, 0, 22)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.8219, 6.0777, 1.3091 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, 22) }
```

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

```
.background{ background-color: rgb(145, 0,  
22) }
```

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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