

Converting Colors

XYZ(11.7770, 6.1731, 3.2601)

Have a look what the booklet for
XYZ(11.7770, 6.1731, 3.2601)
contains.

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Color

**XYZ(11.7770, 6.1731,
3.2601)**

Conversions

Conversions Part 1

Format	Color
Hex	8E0A2F
RGB	142, 10, 47
RGB Percent	56%, 4%, 18%
CMY	0.4431, 0.9607, 0.8157
CMYK	0.00, 0.93, 0.67, 0.44
HSL	343°, 87%, 30%
HSV	343°, 93%, 56%
XYZ	11.7770, 6.1731, 3.2601
YIQ	53.6860, 66.7950, 39.4910

Conversions

Conversions Part 2

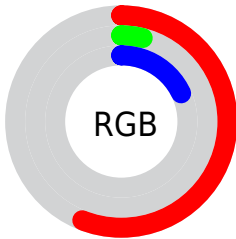
Format	Color
R_{YB}	142, 10, 47
Decimal	9308719
CIE _{Lab}	29.85, 51.66, 16.94
CIE _{LCh}	30, 54.367, 18.154
Yxy	6.1731, 0.5553, 0.2910
Android (android.graphics.Color)	4287498799 (0xFF8E0A2F)
YUV	53.6860, -3.2962, 77.4514
Hunter-Lab	24.8457, 41.1299, 9.6123

Details

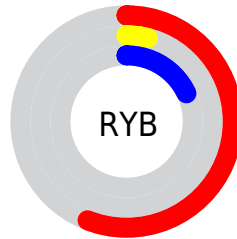
The XYZ color **11.7770, 6.1731, 3.2601** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **12.3491, 20.4309, 16.6621**, and the grayscale version is **3.4669, 3.6475, 3.9721**.

A 20% lighter version of the original color is **28.8490, 18.3790, 12.3829**, and **3.7463, 1.9313, 0.1753** is the 20% darker color. If you saturate the color by 10%, you get **11.5348, 5.9026, 2.5201**, and if you desaturate by 10%, it is **12.2305, 6.7107, 4.5505**.

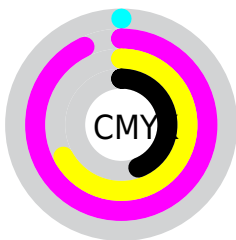
Distribution



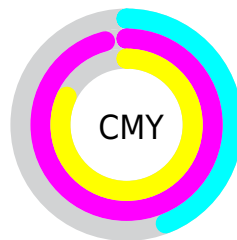
- Red (56%)
- Green (4%)
- Blue (18%)



- Red (56%)
- Yellow (4%)
- Blue (18%)



- Cyan (0%)
- Magenta (93%)
- Yellow (67%)
- Black (44%)



- Cyan (44%)
- Magenta (96%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7770, 6.1731, 3.2601 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 11.7770, 6.1731, 3.2601 by changing the saturation by 10% instead.

■ 11.7770, 6.1731,
3.2601

■ 11.7770, 6.1731,
3.2601

196.7235,
160.6044, 139.6074

■ 6.6631, 2.9506,
1.2289

■ 28.7087, 18.2892,
12.2638

■ 3.2968, 1.1060,
0.0025

■ 41.2572, 27.9517,
20.0734

■ 1.3126, 0.0000,
0.0000

■ 57.0147, 40.5295,
30.6462

■ 0.1926, 0.0000,
0.0000

■ 76.3465, 56.4073,
44.4007

■ 0.0000, 0.0000,
0.0000

■ 99.6179, 75.9692,
61.7556

■ 127.1943, 99.5998,

83.1293

159.4411,
127.6834, 108.9404

11.7770, 6.1731,
3.2601

11.7770, 6.1731,
3.2601

11.5348, 5.9026,
2.5201

12.2305, 6.7107,
4.5505

12.8883, 7.5744,
6.1627

13.7742, 8.8075,
8.1186

14.9083, 10.4461,
10.4379

16.3086, 12.5221,
13.1388

■ 17.9913, 15.0641,
16.2380

■ 19.9713, 18.0984,
19.7513

■ 22.2622, 21.6492,
23.6936

■ 24.8771, 25.7392,
28.0791

Harmonies

Analogous

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



11.9978, 6.1731, 9.9896



11.7770, 6.1731, 3.2601



9.7274, 6.1731, 0.7660

Triad

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



11.7770, 6.1731, 3.2601



2.9486, 6.1731, 1.0651



4.9283, 6.1731, 31.4836

Complementary

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



11.7770, 6.1731, 3.2601



12.3491, 20.4309, 16.6621

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.



3.1933, 6.1731, 23.2514



11.7770, 6.1731, 3.2601



2.2894, 6.1731, 4.2573

Square

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



11.7770, 6.1731, 3.2601



4.4841, 6.1731, 0.0000



2.3638, 6.1731, 12.0349



7.5092, 6.1731, 30.3908

Rectangle

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



11.7770, 6.1731, 3.2601



7.8602, 6.1731, 0.0695



2.3638, 6.1731, 12.0349



4.2434, 6.1731, 29.5626

Sweetspot

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



11.7771, 6.1735, 3.2602



33.1837, 28.7896, 31.2462



10.7706, 5.1498, 26.0175



7.1251, 5.9925, 6.4658



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



11.7771, 6.1735, 3.2602



20.2789, 10.3840, 4.1193



11.9231, 7.1985, 1.0487



5.4671, 5.4474, 5.9579



10.3636, 5.3025, 2.3000



0.1075, 0.0541, 0.0663

Inverse Universe

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



11.7771, 6.1735, 3.2602



20.2789, 10.3840, 4.1193



10.9582, 13.9182, 27.7001



5.4671, 5.4474, 5.9579



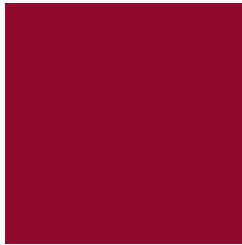
10.3636, 5.3025, 2.3000



0.1075, 0.0541, 0.0663

Previews

White Background



This preview shows how the XYZ color 11.7770, 6.1731, 3.2601 looks on a white background.

Color Contrast Check

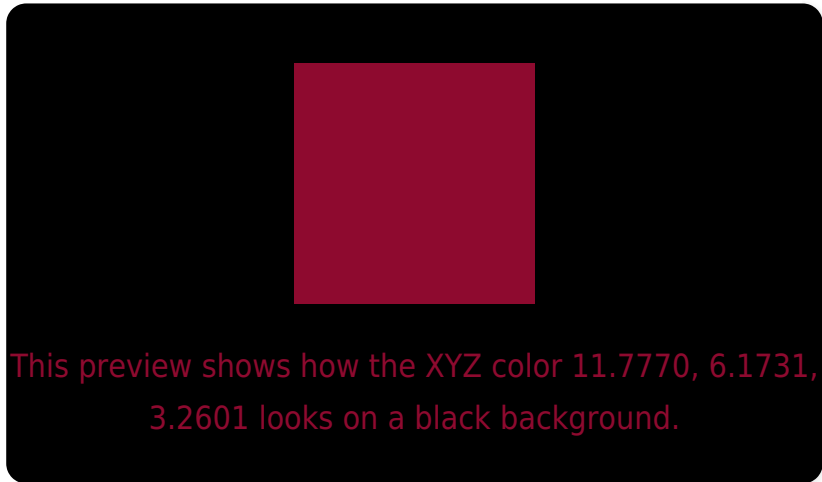
Large Text (above 18pt) WCAG AA ✓ Pass

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

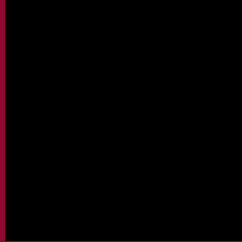
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.7770, 6.1731, 3.2601

Background



This preview shows how black text looks on a background with the XYZ color 11.7770, 6.1731, 3.2601.



This preview shows how white text looks on a background with the XYZ color 11.7770, 6.1731, 3.2601.

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

11.7770, 6.1731, 3.2601

Protanopia

6.3584, 6.6906, 6.5865

Deuteranopia

6.6482, 6.5402, 3.0098



Tritanopia

11.3702, 6.2461, 1.2224

Trichromacy



Original Color

11.7770, 6.1731, 3.2601

Protanomaly

7.1285, 5.2708, 5.0565

Deuteranomaly

7.6773, 5.4765, 2.9379

Tritanomaly

11.4067, 6.1523, 1.7487

Monochromacy



Original Color

11.7770, 6.1731, 3.2601

Achromatopsia

3.5063, 3.6889, 4.0173

Achromatomaly

5.1284, 3.6037, 3.5572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7770, 6.1731, 3.2601 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(142, 10, 47)` looks like.

```
.text, #text, p{  
    color:rgb(142, 10, 47)  
}
```

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(142, 10, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 10, 47) }
```

Border

The CSS property to change the border of an element to XYZ 11.7770, 6.1731, 3.2601 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(142, 10, 47) }
```


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

```
.border{ border-color:rgb(142, 10, 47) }
```

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

Here you see how a box with a 4 pixel rgb(142, 10, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 10, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 10, 47);  
box-shadow:4px 4px 4px 4px rgb(142, 10,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7770, 6.1731, 3.2601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 10, 47) }
```

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

```
.background{ background-color: rgb(142, 10,  
47) }
```

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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