

Converting Colors

XYZ(12.1297, 6.2079, 2.6077)

Have a look what the booklet for
XYZ(12.1297, 6.2079, 2.6077)
contains.

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Color

**XYZ(12.0601, 6.1729,
2.5633)**

Conversions

Conversions Part 1

Format	Color
Hex	910028
RGB	145, 0, 40
RGB Percent	57%, 0%, 16%
CMY	0.4314, 0.9999, 0.8431
CMYK	0.00, 1.00, 0.72, 0.43
HSL	343°, 100%, 28%
HSV	343°, 100%, 57%
XYZ	12.0601, 6.1729, 2.5633
YIQ	47.9150, 73.5800, 43.1800

Conversions

Conversions Part 2

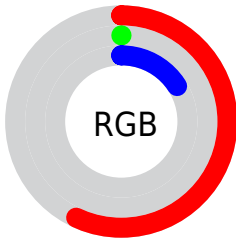
Format	Color
R_{YB}	145, 0, 40
Decimal	9502760
CIE Lab	29.84, 53.64, 21.72
CIE LCh	30, 57.876, 22.044
Yxy	6.1729, 0.5799, 0.2968
Android (android.graphics.Color)	4287692840 (0xFF910028)
YUV	47.9150, -3.9021, 85.1435
Hunter-Lab	24.8453, 43.1659, 11.2748

Details

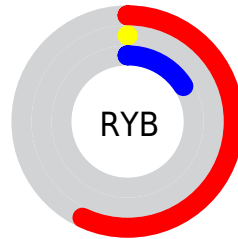
The XYZ color **12.0601, 6.1729, 2.5633** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **12.6762, 21.2712, 16.8065**, and the grayscale version is **2.7995, 2.9453, 3.2074**.

A 20% lighter version of the original color is **29.1339, 18.2697, 10.5852**, and **3.8378, 1.9784, 0.1796** is the 20% darker color. If you saturate the color by 10%, you get **12.0599, 6.1729, 2.5623**, and if you desaturate by 10%, it is **12.4277, 6.5825, 3.6901**.

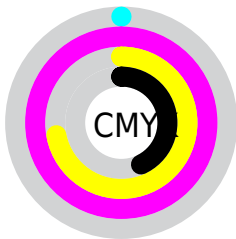
Distribution



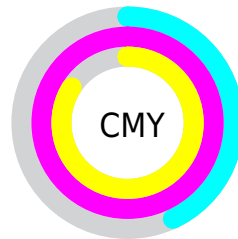
- Red (57%)
- Green (0%)
- Blue (16%)



- Red (57%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (72%)
- Black (43%)





- Cyan (43%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.0601, 6.1729, 2.5633 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 12.0601, 6.1729, 2.5633 by changing the saturation by 10% instead.


 12.0601, 6.1729,
2.5633


 12.0601, 6.1729,
2.5633


198.5646,
160.6027, 130.5880


 6.8571, 2.9505,
0.8734


 29.2204, 18.2888,
10.5304


 3.4184, 1.1059,
0.0000

 41.9085, 27.9511,
17.6475


 1.3787, 0.0000,
0.0000

 57.8223, 40.5288,
27.4117

 0.2410, 0.0000,
0.0000

 77.3271, 56.4064,
40.2415

 0.0000, 0.0000,
0.0000

 100.7884, 75.9682,
56.5555

 128.5715, 99.5985,

76.7722

161.0418,
127.6819, 101.3102

12.0601, 6.1729,
2.5633

12.0601, 6.1729,
2.5633

12.0599, 6.1729,
2.5623

12.4277, 6.5825,
3.6901

12.9592, 7.2362,
5.1289

13.7134, 8.2467,
6.9153

14.7141, 9.6567,
9.0719

15.9819, 11.5030,
11.6194

■ 17.5351, 13.8181,
14.5767

■ 19.3903, 16.6313,
17.9613

■ 21.5629, 19.9696,
21.7898

■ 24.0672, 23.8580,
26.0779

Harmonies

Analogous

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



12.5969, 6.1729, 8.9789



12.0601, 6.1729, 2.5633



9.6434, 6.1729, 0.4070

Triad

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



12.0601, 6.1729, 2.5633



2.6688, 6.1729, 1.1161



5.1821, 6.1729, 34.5098

Complementary

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



12.0601, 6.1729, 2.5633



12.6762, 21.2712, 16.8065

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.



3.2333, 6.1729, 26.3769



12.0601, 6.1729, 2.5633



2.0993, 6.1729, 4.8778

Square

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



12.0601, 6.1729, 2.5633



4.1372, 6.1729, 0.0000



2.2686, 6.1729, 13.9248



8.0225, 6.1729, 31.7950

Rectangle

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



12.0601, 6.1729, 2.5633



7.6043, 6.1729, 0.0000



2.2686, 6.1729, 13.9248



4.4170, 6.1729, 32.8209

Sweetspot

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



12.0602, 6.1733, 2.5634



34.4971, 29.4361, 31.7570



10.8108, 4.9830, 27.1801



7.3858, 6.1094, 6.5432



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.



12.0602, 6.1733, 2.5634



21.5327, 11.0288, 4.2474



12.1784, 7.0223, 0.7140



5.4662, 5.4470, 5.9530



10.3540, 5.2986, 2.2498



0.1073, 0.0540, 0.0653

Inverse Universe

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



12.0602, 6.1733, 2.5634



21.5327, 11.0288, 4.2474



11.0818, 13.9861, 28.9036



5.4662, 5.4470, 5.9530



10.3540, 5.2986, 2.2498



0.1073, 0.0540, 0.0653

Previews

White Background



This preview shows how the XYZ color 12.0601, 6.1729, 2.5633 looks on a white background.

Color Contrast Check

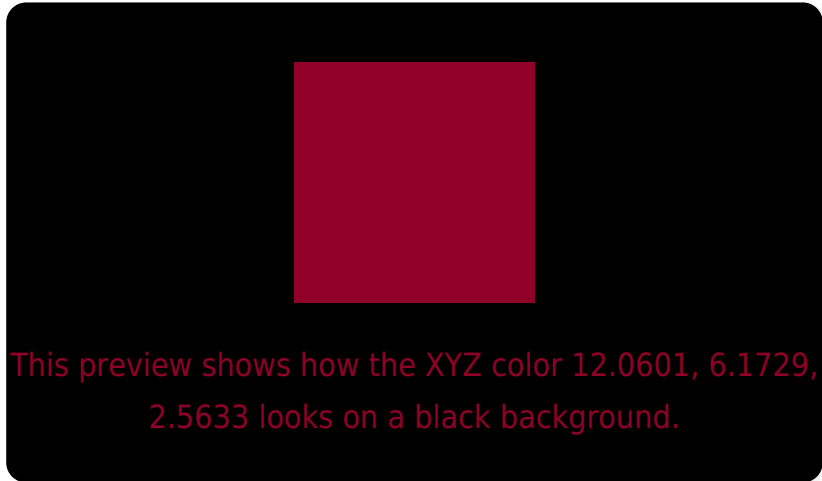
Large Text (above 18pt) WCAG AA ✓ Pass

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

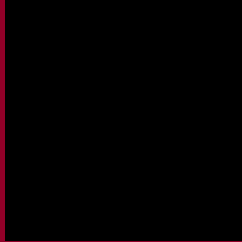
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.0601, 6.1729, 2.5633

Background



This preview shows how black text looks on a background with the XYZ color 12.0601, 6.1729, 2.5633.



This preview shows how white text looks on a background with the XYZ color 12.0601, 6.1729,

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

12.0601, 6.1729, 2.5633

Protanopia

6.4063, 6.8435, 5.2582

Deuteranopia

6.7653, 6.7087, 2.3049



Tritanopia

11.7533, 6.3264, 0.9495

Trichromacy



Original Color

12.0601, 6.1729, 2.5633

Protanomaly

7.1386, 5.1149, 3.9792

Deuteranomaly

7.7973, 5.3776, 2.2171

Tritanomaly

11.7550, 6.2043, 1.3371

Monochromacy



Original Color

12.0601, 6.1729, 2.5633

Achromatopsia

2.8094, 2.9557, 3.2187

Achromatomaly

4.5309, 3.0084, 2.8245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0601, 6.1729, 2.5633 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, 40)` looks like.

```
.text, #text, p{  
    color:rgb(145, 0, 40)  
}
```

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, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 0, 40) }
```

Border

The CSS property to change the border of an element to XYZ 12.0601, 6.1729, 2.5633 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, 40) }
```


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

```
.border{ border-color:rgb(145, 0, 40) }
```

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, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 0, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 0, 40);  
box-shadow:4px 4px 4px 4px rgb(145, 0, 40)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.0601, 6.1729, 2.5633 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, 40) }
```

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

```
.background{ background-color: rgb(145, 0,  
40) }
```

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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