

Converting Colors

XYZ(11.6009, 4.9623, 0.6259)

Have a look what the booklet for
XYZ(11.6009, 4.9623, 0.6259)
contains.

XYZ(12.2675, 6.3178, 0.8600)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.2675, 6.3178,
0.8600)**

Conversions

Conversions Part 1

Format	Color
Hex	94000A
RGB	148, 0, 10
RGB Percent	58%, 0%, 4%
CMY	0.4196, 0.9999, 0.9608
CMYK	0.00, 1.00, 0.93, 0.42
HSL	356°, 100%, 29%
HSV	356°, 100%, 58%
XYZ	12.2675, 6.3178, 0.8600
YIQ	45.3920, 84.9980, 34.4860

Conversions

Conversions Part 2

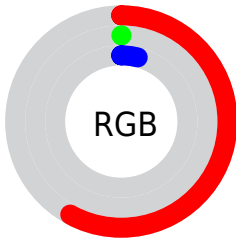
Format	Color
RYB	148, 0, 10
Decimal	9699338
CIELab	30.20, 53.54, 39.77
CIELCh	30, 66.696, 36.603
Yxy	6.3178, 0.6309, 0.3249
Android (android.graphics.Color)	4287889418 (0xFF94000A)
YUV	45.3920, -17.4483, 89.9872
Hunter-Lab	25.1352, 43.1320, 15.5661

Details

The XYZ color **12.2675, 6.3178, 0.8600** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **15.1791, 23.0153, 27.6954**, and the grayscale version is **2.5465, 2.6791, 2.9175**.

A 20% lighter version of the original color is **29.5853, 18.6122, 5.6476**, and **3.9305, 2.0262, 0.1839** is the 20% darker color. If you saturate the color by 10%, you get **12.2673, 6.3177, 0.8594**, and if you desaturate by 10%, it is **12.5437, 6.6976, 1.4850**.

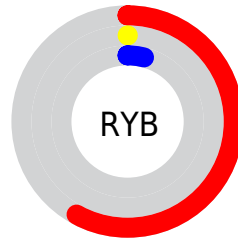
Distribution



Red (58%)

Green (0%)

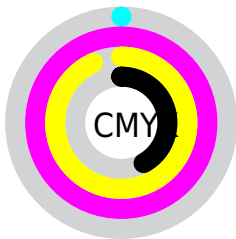
Blue (4%)



Red (58%)

Yellow (0%)

Blue (4%)

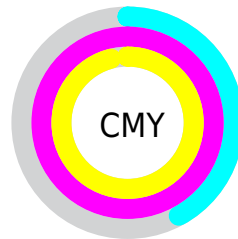


Cyan (0%)

Magenta (100%)

Yellow (93%)

Black (42%)



Cyan (42%)


Magenta (100%)

Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 12.2675, 6.3178, 0.8600 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 12.2675, 6.3178, 0.8600 by changing the saturation by 10% instead.


 12.2675, 6.3178,
0.8600


 12.2675, 6.3178,
0.8600


 199.9022,
161.8684, 101.0117


 6.9996, 3.0393,
0.0000


 29.5940, 18.5870,
5.5984


 3.5082, 1.1523,
0.0000

 42.3834, 28.3465,
10.4645


 1.4279, 0.0222,
0.0000

 58.4106, 41.0351,
17.5545

 0.2759, 0.0000,
0.0000


 78.0410, 57.0372,
27.2869


 0.0000, 0.0000,
0.0000

 101.6401, 76.7371,
40.0803


 129.5730,

100.5194, 56.3532


 162.2053,
128.7684, 76.5242

 12.2675, 6.3178,
0.8600

 12.2675, 6.3178,
0.8600


 12.2673, 6.3177,
0.8594

 12.5437, 6.6976,
1.4850

 13.0108, 7.3427,
2.5318

 13.7356, 8.3713,
4.0708

 14.7481, 9.8306,
6.1527

 16.0744, 11.7608,
8.8217

■ 17.7375, 14.1977,
12.1176

■ 19.7583, 17.1737,
16.0768

■ 22.1561, 20.7181,
20.7329

■ 24.9486, 24.8586,
26.1169

Harmonies

Analogous

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



14.2135, 6.3178, 5.0772



12.2675, 6.3178, 0.8600



8.7335, 6.3178, 0.0000

Triad

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



12.2675, 6.3178, 0.8600



1.9952, 6.3178, 2.0459



6.7257, 6.3178, 42.2790

Complementary

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



12.2675, 6.3178, 0.8600



15.1791, 23.0153, 27.6954

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.



3.9135, 6.3178, 38.0461



12.2675, 6.3178, 0.8600



1.7843, 6.3178, 9.0634

Square

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



12.2675, 6.3178, 0.8600



3.0779, 6.3178, 0.0000



2.3469, 6.3178, 23.1822



10.3687, 6.3178, 32.1641

Rectangle

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



12.2675, 6.3178, 0.8600



6.3695, 6.3178, 0.0000



2.3469, 6.3178, 23.1822



5.6544, 6.3178, 42.5624

Sweetspot

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



12.2676, 6.3182, 0.8601



34.6255, 29.9520, 27.9039



15.4449, 7.3450, 28.6204



7.5785, 6.3573, 5.7332



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



12.2676, 6.3182, 0.8601



21.6208, 11.1376, 1.3875



13.9179, 9.7063, 1.1405



5.8157, 5.8214, 6.1357



10.4825, 5.3981, 0.7561



0.1314, 0.0673, 0.0258

Inverse Universe

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



12.2676, 6.3182, 0.8601



21.6208, 11.1376, 1.3875



8.7006, 8.8485, 29.2661



5.8157, 5.8214, 6.1357



10.4825, 5.3981, 0.7561



0.1314, 0.0673, 0.0258

Previews

White Background



This preview shows how the XYZ color 12.2675, 6.3178, 0.8600 looks on a white background.

Color Contrast Check

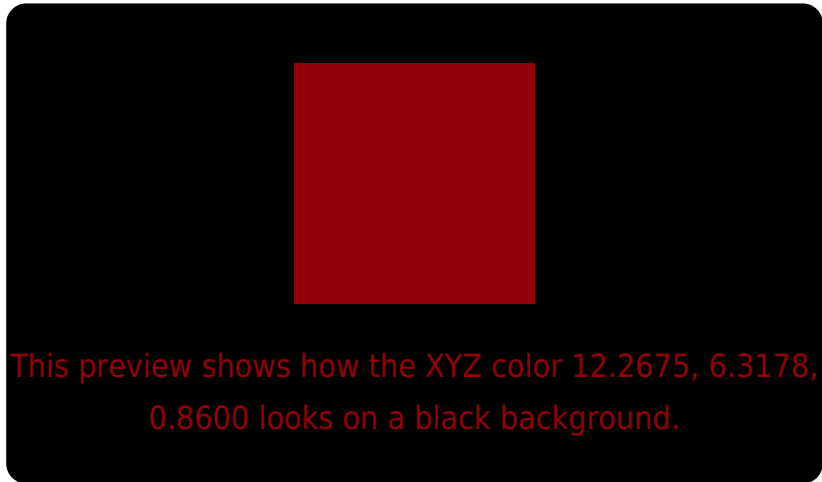
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2675, 6.3178, 0.8600

Background



This preview shows how black text looks on a background with the XYZ color 12.2675, 6.3178, 0.8600.



This preview shows how white text looks on a background with the XYZ color 12.2675, 6.3178,

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

12.2675, 6.3178, 0.8600

Protanopia

6.3269, 6.9788, 1.8242

Deuteranopia

6.8693, 6.8862, 0.9671



Tritanopia

12.1897, 6.5171, 0.6155

Trichromacy



Original Color

12.2675, 6.3178, 0.8600

Protanomaly

7.2295, 5.2834, 1.2110

Deuteranomaly

7.8997, 5.4629, 0.7530

Tritanomaly

12.1522, 6.4072, 0.7111

Monochromacy



Original Color

12.2675, 6.3178, 0.8600

Achromatopsia

2.4942, 2.6241, 2.8577

Achromatomaly

4.1798, 2.7769, 1.6822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2675, 6.3178, 0.8600 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(148, 0, 10)` looks like.

```
.text, #text, p{  
    color:rgb(148, 0, 10)  
}
```

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(148, 0, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 0, 10) }
```

Border

The CSS property to change the border of an element to XYZ 12.2675, 6.3178, 0.8600 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(148, 0, 10) }
```


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

```
.border{ border-color:rgb(148, 0, 10) }
```

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

Here you see how a box with a 4 pixel rgb(148, 0, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 0, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 0, 10);  
box-shadow:4px 4px 4px 4px rgb(148, 0, 10)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.2675, 6.3178, 0.8600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 0, 10) }
```

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

```
.background{ background-color: rgb(148, 0,  
10) }
```

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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