

Converting Colors

XYZ(11.9994, 6.0051, 8.7428)

Have a look what the booklet for
XYZ(11.9994, 6.0051, 8.7428)
contains.

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Color

**XYZ(12.0426, 6.0278,
8.7124)**

Conversions

Conversions Part 1

Format	Color
Hex	8A0053
RGB	138, 0, 83
RGB Percent	54%, 0%, 33%
CMY	0.4588, 0.9999, 0.6745
CMYK	0.00, 1.00, 0.40, 0.46
HSL	324°, 100%, 27%
HSV	324°, 100%, 54%
XYZ	12.0426, 6.0278, 8.7124
YIQ	50.7240, 55.6050, 55.0690

Conversions

Conversions Part 2

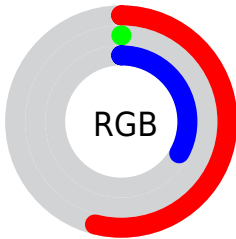
Format	Color
R_{YB}	138, 0, 83
Decimal	9044051
CIE _{Lab}	29.48, 55.08, -7.77
CIE _{LCh}	29, 55.629, 351.976
Yxy	6.0278, 0.4496, 0.2251
Android (android.graphics.Color)	4287234131 (0xFF8A0053)
YUV	50.7240, 15.9121, 76.5411
Hunter-Lab	24.5516, 44.5894, -3.8536

Details

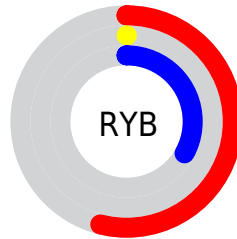
The XYZ color **12.0426, 6.0278, 8.7124** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **9.7786, 18.4531, 6.6627**, and the grayscale version is **3.0933, 3.2544, 3.5440**.

A 20% lighter version of the original color is **29.2472, 18.0364, 23.7697**, and **3.8295, 1.9338, 2.0051** is the 20% darker color. If you saturate the color by 10%, you get **12.0424, 6.0277, 8.7113**, and if you desaturate by 10%, it is **12.4181, 6.4253, 9.9274**.

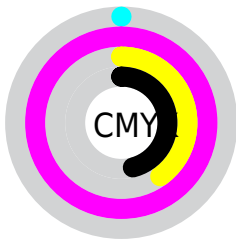
Distribution



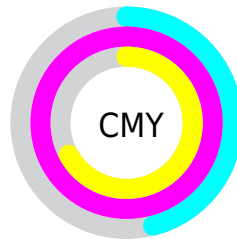
- Red (54%)
- Green (0%)
- Blue (33%)



- Red (54%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (100%)
- Yellow (40%)
- Black (46%)





- Cyan (46%)
- Magenta (100%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.0426, 6.0278, 8.7124 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 12.0426, 6.0278, 8.7124 by changing the saturation by 10% instead.


 12.0426, 6.0278,
8.7124


 12.0426, 6.0278,
8.7124


198.4513,
159.3219, 191.3561


 6.8451, 2.8620,
4.4598


 29.1889, 17.9888,
23.9125


 3.4109, 1.0601,
1.8808

 41.8683, 27.5527,
35.6970


 1.3746, 0.0000,
0.4805


 57.7725, 40.0182,
50.8294

 0.2380, 0.0000,
0.0000

 77.2667, 55.7696,
69.7280

 0.0000, 0.0000,
0.0000

 100.7163, 75.1912,
92.8114

 128.4867, 98.6676,

120.4982

160.9433,
126.5830, 153.2069

12.0426, 6.0278,
8.7124

12.0426, 6.0278,
8.7124

12.0424, 6.0277,
8.7113

12.4181, 6.4253,
9.9274

12.9079, 7.0238,
11.2654

13.5648, 7.9285,
12.7460

14.4076, 9.1761,
14.3771

15.4522, 10.7981,
16.1657

■ 16.7130, 12.8225,
18.1183

■ 18.2026, 15.2745,
20.2406

■ 19.9331, 18.1773,
22.5383

■ 21.9154, 21.5523,
25.0165

Harmonies

Analogous

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



10.4940, 6.0278, 19.4745



12.0426, 6.0278, 8.7124



11.5464, 6.0278, 2.6011

Triad

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



12.0426, 6.0278, 8.7124



4.0911, 6.0278, 0.0000



3.2195, 6.0278, 24.8603

Complementary

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



12.0426, 6.0278, 8.7124



9.7786, 18.4531, 6.6627

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.



2.2922, 6.0278, 13.3005



12.0426, 6.0278, 8.7124



2.6821, 6.0278, 1.1714

Square

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



12.0426, 6.0278, 8.7124



6.4373, 6.0278, 0.0000



2.1297, 6.0278, 4.8002



5.0751, 6.0278, 32.3843

Rectangle

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



12.0426, 6.0278, 8.7124



10.1736, 6.0278, 0.9527



2.1297, 6.0278, 4.8002



2.8146, 6.0278, 21.0382

Sweetspot

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



12.0428, 6.0281, 8.7125



31.9014, 26.6184, 35.4244



6.0510, 2.5897, 24.2258



6.9329, 5.6024, 7.6345



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.0428, 6.0281, 8.7125



21.1474, 10.5932, 14.9372



10.5758, 5.4414, 0.9875



5.1508, 5.0958, 5.8827



11.0485, 5.5295, 8.0254



0.0806, 0.0396, 0.0915

Inverse Universe

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



12.0428, 6.0281, 8.7125



21.1474, 10.5932, 14.9372



12.5955, 19.5798, 21.4959



5.1508, 5.0958, 5.8827



11.0485, 5.5295, 8.0254



0.0806, 0.0396, 0.0915

Previews

White Background



This preview shows how the XYZ color 12.0426, 6.0278, 8.7124 looks on a white background.

Color Contrast Check

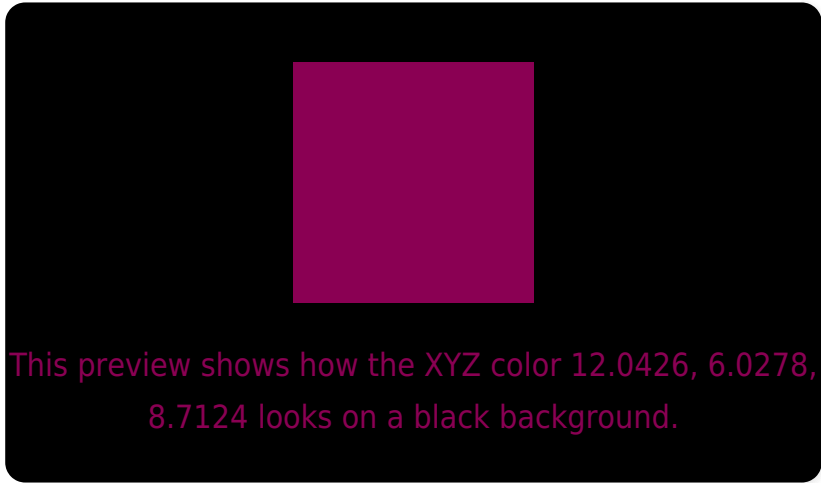
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0426, 6.0278, 8.7124

Background



This preview shows how black text looks on a background with the XYZ color 12.0426, 6.0278, 8.7124.



This preview shows how white text looks on a background with the XYZ color 12.0426, 6.0278,

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

12.0426, 6.0278, 8.7124

Protanopia

7.1043, 6.6227, 18.3566

Deuteranopia

6.7347, 6.6620, 7.9521



Tritanopia

10.8243, 6.3541, 2.1693

Trichromacy



Original Color

12.0426, 6.0278, 8.7124

Protanomaly

7.2862, 4.8487, 14.1875

Deuteranomaly

7.6052, 5.1506, 7.9905

Tritanomaly

11.0413, 6.0185, 3.8286

Monochromacy



Original Color

12.0426, 6.0278, 8.7124

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

4.9810, 3.2309, 5.0637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0426, 6.0278, 8.7124 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(138, 0, 83)` looks like.

```
.text, #text, p{  
  color:rgb(138, 0, 83)  
}
```

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(138, 0, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 0, 83) }
```

Border

The CSS property to change the border of an element to XYZ 12.0426, 6.0278, 8.7124 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(138, 0, 83) }
```


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

```
.border{ border-color:rgb(138, 0, 83) }
```

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

Here you see how a box with a 4 pixel rgb(138, 0, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 0, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 0, 83);  
box-shadow:4px 4px 4px 4px rgb(138, 0, 83)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.0426, 6.0278, 8.7124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 0, 83) }
```

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

```
.background{ background-color: rgb(138, 0,  
83) }
```

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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