

Converting Colors

XYZ(12.0705, 6.0857, 6.7622)

Have a look what the booklet for
XYZ(12.0705, 6.0857, 6.7622)
contains.

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Color

**XYZ(12.0178, 6.0565,
6.8389)**

Conversions

Conversions Part 1

Format	Color
Hex	8C0049
RGB	140, 0, 73
RGB Percent	55%, 0%, 29%
CMY	0.4510, 0.9999, 0.7137
CMYK	0.00, 1.00, 0.48, 0.45
HSL	329°, 100%, 27%
HSV	329°, 100%, 55%
XYZ	12.0178, 6.0565, 6.8389
YIQ	50.1820, 60.0070, 52.3830

Conversions

Conversions Part 2

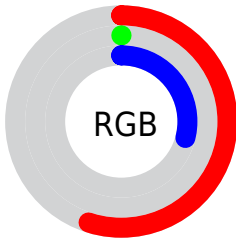
Format	Color
RYB	140, 0, 73
Decimal	9175113
CIELab	29.55, 54.60, -0.96
CIELCh	30, 54.609, 358.994
Yxy	6.0565, 0.4824, 0.2431
Android (android.graphics.Color)	4287365193 (0xFF8C0049)
YUV	50.1820, 11.2493, 78.7704
Hunter-Lab	24.6100, 44.0996, 0.7508

Details

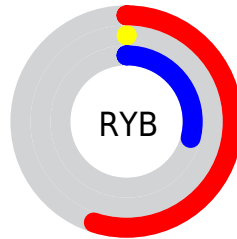
The XYZ color **12.0178, 6.0565, 6.8389** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **10.3919, 19.1617, 8.4639**, and the grayscale version is **3.0363, 3.1945, 3.4788**.

A 20% lighter version of the original color is **29.0573, 18.0210, 20.0361**, and **3.8016, 1.9327, 1.4010** is the 20% darker color. If you saturate the color by 10%, you get **12.0175, 6.0563, 6.8374**, and if you desaturate by 10%, it is **12.4094, 6.4648, 8.1254**.

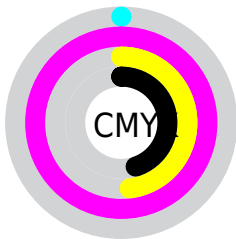
Distribution



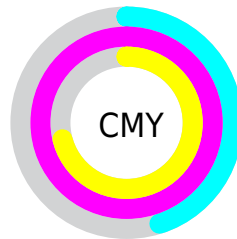
- Red (55%)
- Green (0%)
- Blue (29%)



- Red (55%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (48%)
- Black (45%)





- Cyan (45%)
- Magenta (100%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.0178, 6.0565, 6.8389 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 12.0178, 6.0565, 6.8389 by changing the saturation by 10% instead.

 12.0178, 6.0565,
6.8389


 12.0178, 6.0565,
6.8389


198.2906,
159.5763, 175.8981


 6.8281, 2.8795,
3.2846


 29.1441, 18.0482,
20.1557


 3.4002, 1.0691,
1.2417

 41.8114, 27.6317,
30.7553


 1.3688, 0.0000,
0.0133

 57.7019, 40.1195,
44.5405

 0.2338, 0.0000,
0.0000


 77.1810, 55.8959,
61.9297


 0.0000, 0.0000,
0.0000

 100.6141, 75.3455,
83.3415


 128.3665, 98.8524,


109.1945


 160.8035,
126.8013, 139.9072


 12.0178, 6.0565,
6.8389


 12.0178, 6.0565,
6.8389


 12.0175, 6.0563,
6.8374

 12.4094, 6.4648,
8.1254

 12.9268, 7.0852,
9.5754

 13.6241, 8.0248,
11.2106

 14.5210, 9.3218,
13.0407

 15.6343, 11.0091,
15.0745

■ 16.9791, 13.1157,
17.3201

■ 18.5690, 15.6679,
19.7849

■ 20.4165, 18.6898,
22.4760

■ 22.5332, 22.2037,
25.4000

Harmonies

Analogous

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



10.9324, 6.0565, 16.5209



12.0178, 6.0565, 6.8389



11.0622, 6.0565, 1.9217

Triad

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



12.0178, 6.0565, 6.8389



3.7282, 6.0565, 0.2231



3.6199, 6.0565, 26.8059

Complementary

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



12.0178, 6.0565, 6.8389



10.3919, 19.1617, 8.4639

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.



2.4946, 6.0565, 15.7614



12.0178, 6.0565, 6.8389



2.5432, 6.0565, 1.7437

Square

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



12.0178, 6.0565, 6.8389



5.8412, 6.0565, 0.0000



2.1659, 6.0565, 6.3560



5.6726, 6.0565, 32.1238

Rectangle

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



12.0178, 6.0565, 6.8389



9.5179, 6.0565, 0.6813



2.1659, 6.0565, 6.3560



3.1452, 6.0565, 23.3737

Sweetspot

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



12.0180, 6.0569, 6.8390



32.5438, 27.3085, 34.5895



6.9365, 3.0294, 25.0300



7.2488, 5.8891, 7.5889



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.



12.0180, 6.0569, 6.8390



21.1059, 10.6450, 11.6248



10.8410, 5.5861, 0.6413



5.1346, 5.0893, 5.7974



10.6881, 5.3854, 6.1281



0.0784, 0.0387, 0.0797

Inverse Universe

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



12.0180, 6.0569, 6.8390



21.1059, 10.6450, 11.6248



13.7750, 20.5149, 26.2788



5.1346, 5.0893, 5.7974



10.6881, 5.3854, 6.1281



0.0784, 0.0387, 0.0797

Previews

White Background



This preview shows how the XYZ color 12.0178, 6.0565, 6.8389 looks on a white background.

Color Contrast Check

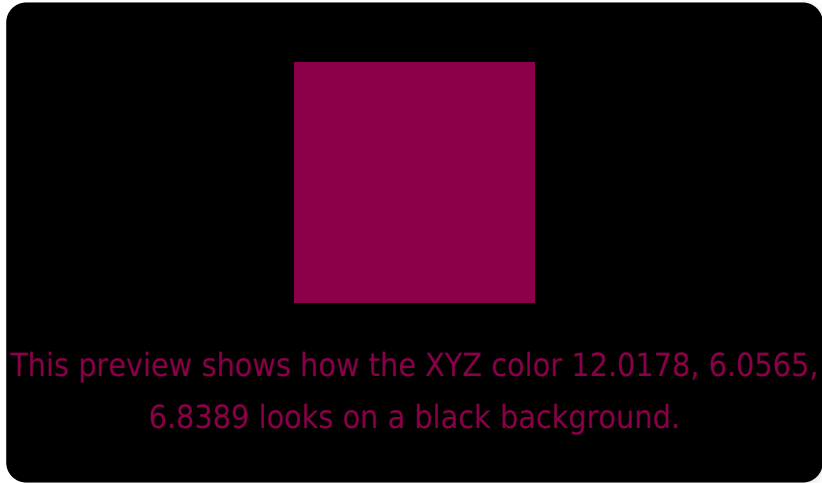
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0178, 6.0565, 6.8389

Background



This preview shows how black text looks on a background with the XYZ color 12.0178, 6.0565, 6.8389.



This preview shows how white text looks on a background with the XYZ color 12.0178, 6.0565,

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

12.0178, 6.0565, 6.8389

Protanopia

6.8538, 6.6788, 14.2925

Deuteranopia

6.6830, 6.5794, 6.2279



Tritanopia

11.1424, 6.3707, 1.8048

Trichromacy



Original Color

12.0178, 6.0565, 6.8389

Protanomaly

7.1692, 4.9180, 10.9273

Deuteranomaly

7.6061, 5.1900, 6.2311

Tritanomaly

11.3374, 6.1110, 3.0646

Monochromacy



Original Color

12.0178, 6.0565, 6.8389

Achromatopsia

3.0317, 3.1896, 3.4735

Achromatomaly

4.8475, 3.1775, 4.3608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0178, 6.0565, 6.8389 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(140, 0, 73)` looks like.

```
.text, #text, p{  
    color:rgb(140, 0, 73)  
}
```

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(140, 0, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 0, 73) }
```

Border

The CSS property to change the border of an element to XYZ 12.0178, 6.0565, 6.8389 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(140, 0, 73) }
```


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

```
.border{ border-color:rgb(140, 0, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 0, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 0, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 0, 73);  
box-shadow:4px 4px 4px 4px rgb(140, 0, 73)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.0178, 6.0565, 6.8389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 0, 73) }
```

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

```
.background{ background-color: rgb(140, 0,  
73) }
```

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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