

Converting Colors

XYZ(12.3356, 6.2274, 6.5323)

Have a look what the booklet for
XYZ(12.3356, 6.2274, 6.5323)
contains.

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Color

**XYZ(12.2927, 6.2057,
6.5112)**

Conversions

Conversions Part 1

Format	Color
Hex	8E0047
RGB	142, 0, 71
RGB Percent	56%, 0%, 28%
CMY	0.4431, 0.9999, 0.7216
CMYK	0.00, 1.00, 0.50, 0.44
HSL	330°, 100%, 28%
HSV	330°, 100%, 56%
XYZ	12.2927, 6.2057, 6.5112
YIQ	50.5520, 61.8410, 52.1850

Conversions

Conversions Part 2

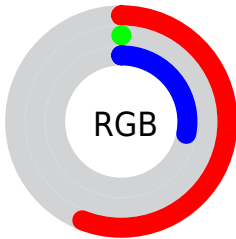
Format	Color
R_{YB}	142, 0, 71
Decimal	9306183
CIE Lab	29.93, 54.90, 0.97
CIE LCh	30, 54.909, 1.014
Yxy	6.2057, 0.4915, 0.2481
Android (android.graphics.Color)	4287496263 (0xFF8E0047)
YUV	50.5520, 10.0809, 80.1999
Hunter-Lab	24.9112, 44.4879, 1.9409

Details

The XYZ color **12.2927, 6.2057, 6.5112** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **10.8110, 19.8013, 9.2160**, and the grayscale version is **3.0796, 3.2400, 3.5283**.

A 20% lighter version of the original color is **29.7345, 18.3841, 19.4341**, and **3.9559, 2.0151, 1.2791** is the 20% darker color. If you saturate the color by 10%, you get **12.2924, 6.2056, 6.5099**, and if you desaturate by 10%, it is **12.6941, 6.6222, 7.8359**.

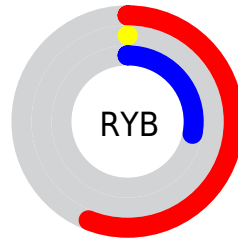
Distribution



Red (56%)

Green (0%)

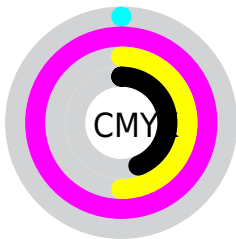
Blue (28%)



Red (56%)

Yellow (0%)

Blue (28%)

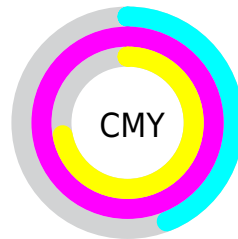


Cyan (0%)

Magenta (100%)

Yellow (50%)

Black (44%)



Cyan (44%)


Magenta (100%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2927, 6.2057, 6.5112 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 12.2927, 6.2057, 6.5112 by changing the saturation by 10% instead.


 12.2927, 6.2057,
6.5112


 12.2927, 6.2057,
6.5112


200.0641,
160.8903, 173.0118


 7.0170, 2.9706,
3.0846


 29.6393, 18.3564,
19.4787


 3.5191, 1.1164,
1.1380

 42.4410, 28.0408,
29.8567


 1.4339, 0.0000,
0.0000

 58.4819, 40.6438,
43.3889

 0.2802, 0.0000,
0.0000

 78.1275, 56.5496,
60.4939

 0.0000, 0.0000,
0.0000

 101.7432, 76.1428,
81.5901

 129.6943, 99.8077,

107.0961

162.3462,
127.9288, 137.4305

12.2927, 6.2057,
6.5112

12.2927, 6.2057,
6.5112

12.2924, 6.2056,
6.5099

12.6941, 6.6222,
7.8359

13.2283, 7.2602,
9.3406

13.9503, 8.2287,
11.0478

14.8808, 9.5674,
12.9681

16.0374, 11.3104,
15.1114

■ 17.4357, 13.4877,
17.4864

■ 19.0898, 16.1267,
20.1013

■ 21.0129, 19.2523,
22.9639

■ 23.2171, 22.8877,
26.0815

Harmonies

Analogous

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



11.3178, 6.2057, 16.1144



12.2927, 6.2057, 6.5112



11.1842, 6.2057, 1.7938

Triad

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



12.2927, 6.2057, 6.5112



3.7136, 6.2057, 0.3172



3.8252, 6.2057, 28.0200

Complementary

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



12.2927, 6.2057, 6.5112



10.8110, 19.8013, 9.2160

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.



2.6125, 6.2057, 16.8959



12.2927, 6.2057, 6.5112



2.5624, 6.2057, 1.9777

Square

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



12.2927, 6.2057, 6.5112



5.8119, 6.2057, 0.0000



2.2260, 6.2057, 7.0088



5.9856, 6.2057, 32.8086

Rectangle

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



12.2927, 6.2057, 6.5112



9.5565, 6.2057, 0.6233



2.2260, 6.2057, 7.0088



3.3179, 6.2057, 24.6313

Sweetspot

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



12.2929, 6.2061, 6.5113



33.4642, 28.1176, 35.1413



7.4818, 3.2932, 25.8326



7.2243, 5.8793, 7.4600



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.



12.2929, 6.2061, 6.5113



21.5941, 10.9101, 11.0450



11.1556, 5.7512, 0.5226



5.5143, 5.4662, 6.2061



11.0461, 5.5754, 5.8939



0.1167, 0.0577, 0.1148

Inverse Universe

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



12.2929, 6.2061, 6.5113



21.5941, 10.9101, 11.0450



14.5557, 21.2991, 28.9352



5.5143, 5.4662, 6.2061



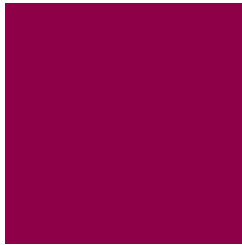
11.0461, 5.5754, 5.8939



0.1167, 0.0577, 0.1148

Previews

White Background



This preview shows how the XYZ color 12.2927, 6.2057, 6.5112 looks on a white background.

Color Contrast Check

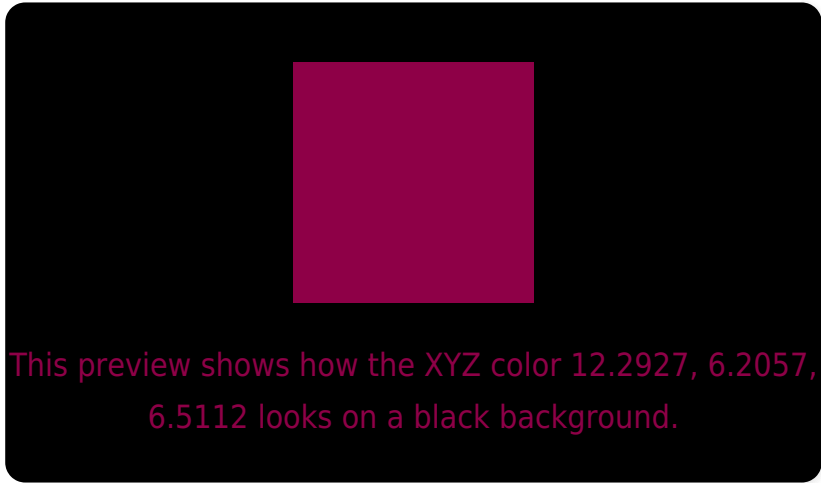
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2927, 6.2057, 6.5112

Background



This preview shows how black text looks on a background with the XYZ color 12.2927, 6.2057, 6.5112.



This preview shows how white text looks on a background with the XYZ color 12.2927, 6.2057,

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

12.2927, 6.2057, 6.5112

Protanopia

7.0107, 6.8682, 13.7882

Deuteranopia

6.8635, 6.7729, 5.9466



Tritanopia

11.4401, 6.4898, 1.7483

Trichromacy



Original Color

12.2927, 6.2057, 6.5112

Protanomaly

7.3795, 5.0365, 10.4807

Deuteranomaly

7.7772, 5.2853, 5.9204

Tritanomaly

11.6554, 6.2772, 2.9802

Monochromacy



Original Color

12.2927, 6.2057, 6.5112

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

4.9364, 3.2233, 4.3650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2927, 6.2057, 6.5112 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, 0, 71)` looks like.

```
.text, #text, p{  
  color:rgb(142, 0, 71)  
}
```

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, 0, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 0, 71) }
```

Border

The CSS property to change the border of an element to XYZ 12.2927, 6.2057, 6.5112 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, 0, 71) }
```


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

```
.border{ border-color:rgb(142, 0, 71) }
```

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

Here you see how a box with a 4 pixel rgb(142, 0, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 0, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 0, 71);  
box-shadow:4px 4px 4px 4px rgb(142, 0, 71)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.2927, 6.2057, 6.5112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 0, 71) }
```

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

```
.background{ background-color: rgb(142, 0,  
71) }
```

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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