

Converting Colors

XYZ(12.4297, 6.2764, 6.5138)

Have a look what the booklet for
XYZ(12.4297, 6.2764, 6.5138)
contains.

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Color

**XYZ(12.4650, 6.2946,
6.5192)**

Conversions

Conversions Part 1

Format	Color
Hex	8F0047
RGB	143, 0, 71
RGB Percent	56%, 0%, 28%
CMY	0.4392, 0.9999, 0.7216
CMYK	0.00, 1.00, 0.50, 0.44
HSL	330°, 100%, 28%
HSV	330°, 100%, 56%
XYZ	12.4650, 6.2946, 6.5192
YIQ	50.8510, 62.4370, 52.3970

Conversions

Conversions Part 2

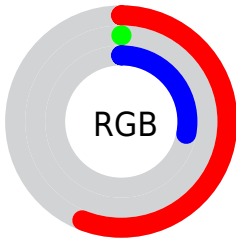
Format	Color
RYB	143, 0, 71
Decimal	9371719
CIELab	30.14, 55.14, 1.32
CIELCh	30, 55.151, 1.367
Yxy	6.2946, 0.4931, 0.2490
Android (android.graphics.Color)	4287561799 (0xFF8F0047)
YUV	50.8510, 9.9335, 80.8147
Hunter-Lab	25.0890, 44.7784, 2.1563

Details

The XYZ color **12.4650, 6.2946, 6.5192** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **10.9930, 20.1131, 9.4371**, and the grayscale version is **3.1144, 3.2766, 3.5682**.

A 20% lighter version of the original color is **30.0043, 18.5232, 19.4467**, and **4.0474, 2.0623, 1.2833** is the 20% darker color. If you saturate the color by 10%, you get **12.4646, 6.2944, 6.5175**, and if you desaturate by 10%, it is **12.8714, 6.7153, 7.8633**.

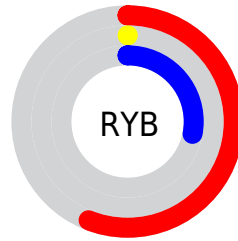
Distribution



Red (56%)

Green (0%)

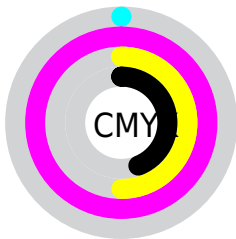
Blue (28%)



Red (56%)

Yellow (0%)

Blue (28%)

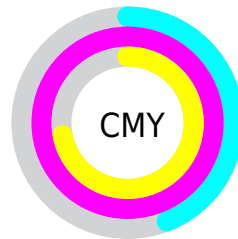


Cyan (0%)

Magenta (100%)

Yellow (50%)

Black (44%)



Cyan (44%)


Magenta (100%)

Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.4650, 6.2946, 6.5192 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 12.4650, 6.2946, 6.5192 by changing the saturation by 10% instead.


 12.4650, 6.2946,
6.5192


 12.4650, 6.2946,
6.5192


201.1675,
161.6666, 173.0831


 7.1356, 3.0250,
3.0894


 29.9488, 18.5394,
19.4954


 3.5942, 1.1448,
1.1405

 42.8339, 28.2834,
29.8788


 1.4752, 0.0159,
0.0000

 58.9684, 40.9543,
43.4173

 0.3089, 0.0000,
0.0000

 78.7175, 56.9365,
60.5292

 0.0000, 0.0000,
0.0000

 102.4466, 76.6145,
81.6332

 130.5211,

100.3725, 107.1479

163.3063,
128.5951, 137.4916

12.4650, 6.2946,
6.5192

12.4650, 6.2946,
6.5192

12.4646, 6.2944,
6.5175

12.8714, 6.7153,
7.8633

13.4134, 7.3621,
9.3924

14.1468, 8.3449,
11.1291

15.0924, 9.7040,
13.0845

16.2682, 11.4742,
15.2686

■ 17.6901, 13.6861,
17.6904

■ 19.3725, 16.3675,
20.3585

■ 21.3288, 19.5438,
23.2807

■ 23.5714, 23.2386,
26.4645

Harmonies

Analogous

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



11.5005, 6.2946, 16.2040



12.4650, 6.2946, 6.5192



11.3179, 6.2946, 1.7896

Triad

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



12.4650, 6.2946, 6.5192



3.7482, 6.2946, 0.3413



3.9008, 6.2946, 28.5199

Complementary

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



12.4650, 6.2946, 6.5192



10.9930, 20.1131, 9.4371

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.



2.6600, 6.2946, 17.2722



12.4650, 6.2946, 6.5192



2.5914, 6.2946, 2.0413

Square

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



12.4650, 6.2946, 6.5192



5.8648, 6.2946, 0.0000



2.2592, 6.2946, 7.1996



6.1024, 6.2946, 33.2595

Rectangle

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



12.4650, 6.2946, 6.5192



9.6590, 6.2946, 0.6215



2.2592, 6.2946, 7.1996



3.3825, 6.2946, 25.1059

Sweetspot

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



12.4652, 6.2950, 6.5193



34.4834, 28.9740, 36.1356



7.5942, 3.3426, 26.2313



7.6364, 6.2096, 7.8629



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.



12.4652, 6.2950, 6.5193



22.2360, 11.2378, 11.2168



11.3279, 5.8401, 0.5308



5.5135, 5.4659, 6.2021



11.0317, 5.5697, 5.8184



0.1166, 0.0577, 0.1140

Inverse Universe

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



12.4652, 6.2950, 6.5193



22.2360, 11.2378, 11.2168



14.7805, 21.6281, 29.3820



5.5135, 5.4659, 6.2021



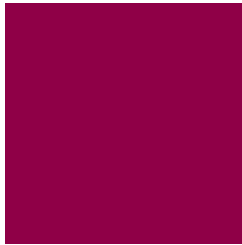
11.0317, 5.5697, 5.8184



0.1166, 0.0577, 0.1140

Previews

White Background



This preview shows how the XYZ color 12.4650, 6.2946, 6.5192 looks on a white background.

Color Contrast Check

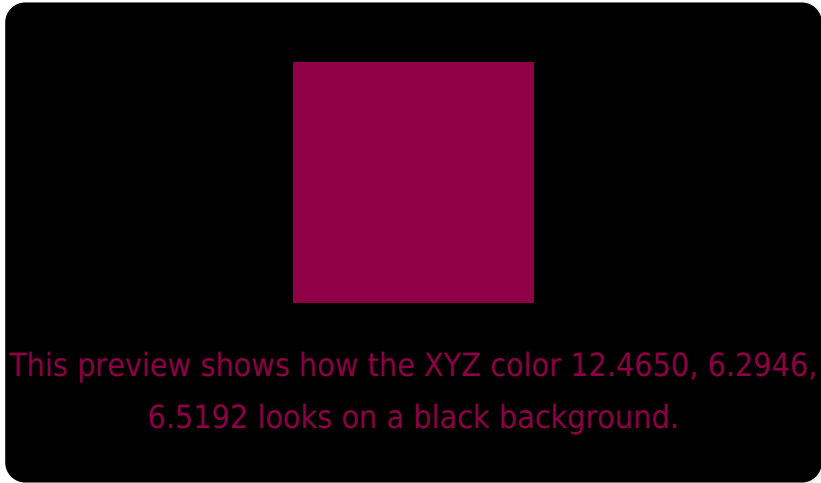
Large Text (above 18pt) WCAG AA ✓ Pass

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

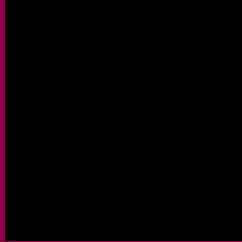
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4650, 6.2946, 6.5192

Background



This preview shows how black text looks on a background with the XYZ color 12.4650, 6.2946, 6.5192.



This preview shows how white text looks on a background with the XYZ color 12.4650, 6.2946,

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

12.4650, 6.2946, 6.5192

Protanopia

7.0775, 6.9026, 13.7913

Deuteranopia

7.0178, 6.9477, 5.9722



Tritanopia

11.6094, 6.5771, 1.7562

Trichromacy



Original Color

12.4650, 6.2946, 6.5192

Protanomaly

7.4814, 5.0890, 10.4855

Deuteranomaly

7.9340, 5.4234, 5.9388

Tritanomaly

11.8263, 6.3652, 2.9882

Monochromacy



Original Color

12.4650, 6.2946, 6.5192

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 12.4650, 6.2946, 6.5192 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(143, 0, 71)` looks like.

```
.text, #text, p{  
  color:rgb(143, 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(143, 0, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 0, 71) }
```

Border

The CSS property to change the border of an element to XYZ 12.4650, 6.2946, 6.5192 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(143, 0, 71) }
```


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

```
.border{ border-color:rgb(143, 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(143, 0, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 0, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 0, 71);  
box-shadow:4px 4px 4px 4px rgb(143, 0, 71)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.4650, 6.2946, 6.5192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 0, 71) }
```

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

```
.background{ background-color: rgb(143, 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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