

Converting Colors

XYZ(12.0772, 6.0784, 7.9730)

Have a look what the booklet for
XYZ(12.0772, 6.0784, 7.9730)
contains.

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Color

**XYZ(12.0696, 6.0752,
7.9336)**

Conversions

Conversions Part 1

Format	Color
Hex	8B014F
RGB	139, 1, 79
RGB Percent	55%, 0%, 31%
CMY	0.4549, 0.9960, 0.6902
CMYK	0.00, 0.99, 0.43, 0.45
HSL	326°, 99%, 27%
HSV	326°, 99%, 55%
XYZ	12.0696, 6.0752, 7.9336
YIQ	51.1540, 57.2100, 53.5140

Conversions

Conversions Part 2

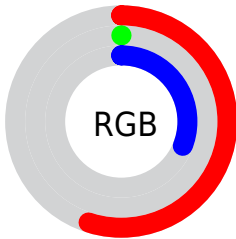
Format	Color
RYB	139, 1, 79
Decimal	9109839
CIELab	29.60, 54.76, -4.91
CIELCh	30, 54.979, 354.875
Yxy	6.0752, 0.4628, 0.2330
Android (android.graphics.Color)	4287299919 (0xFF8B014F)
YUV	51.1540, 13.7281, 77.0409
Hunter-Lab	24.6479, 44.2741, -1.8305

Details

The XYZ color **12.0696, 6.0752, 7.9336** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **10.0881, 18.8089, 7.5160**, and the grayscale version is **3.1454, 3.3093, 3.6038**.

A 20% lighter version of the original color is **29.2396, 18.0636, 22.3676**, and **3.8707, 1.9603, 1.7645** is the 20% darker color. If you saturate the color by 10%, you get **12.0427, 6.0471, 7.8455**, and if you desaturate by 10%, it is **12.4586, 6.4848, 9.1986**.

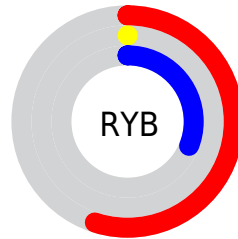
Distribution



Red (55%)

Green (0%)

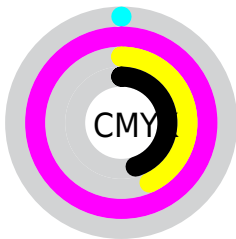
Blue (31%)



Red (55%)

Yellow (0%)

Blue (31%)

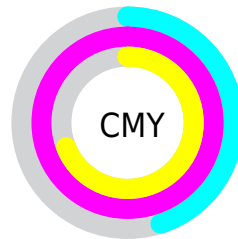


Cyan (0%)

Magenta (99%)

Yellow (43%)

Black (45%)



Cyan (45%)


Magenta (100%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.0696, 6.0752, 7.9336 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 12.0696, 6.0752, 7.9336 by changing the saturation by 10% instead.


 12.0696, 6.0752,
7.9336


 12.0696, 6.0752,
7.9336


198.6260,
159.7418, 185.1254


 6.8636, 2.8909,
3.9653


 29.2376, 18.0870,
22.3722


 3.4225, 1.0750,
1.6063

 41.9303, 27.6832,
33.6796


 1.3809, 0.0000,
0.2953

 57.8493, 40.1854,
48.2704

 0.2426, 0.0000,
0.0000

 77.3599, 55.9782,
66.5633

 0.0000, 0.0000,
0.0000

 100.8275, 75.4458,
88.9767

 128.6175, 98.9727,

115.9291

161.0953,
126.9432, 147.8392

12.0696, 6.0752,
7.9336

12.0696, 6.0752,
7.9336

12.0427, 6.0471,
7.8455

12.4586, 6.4848,
9.1986

12.9745, 7.1156,
10.6072

13.6649, 8.0618,
12.1776

14.5488, 9.3603,
13.9185

15.6423, 11.0431,
15.8376

■ 16.9600, 13.1385,
17.9419

■ 18.5151, 15.6718,
20.2380

■ 20.3195, 18.6668,
22.7319

■ 22.3845, 22.1451,
25.4294

Harmonies

Analogous

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



10.7130, 6.0752, 18.2423



12.0696, 6.0752, 7.9336



11.3800, 6.0752, 2.3264

Triad

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



12.0696, 6.0752, 7.9336



3.9666, 6.0752, 0.0810



3.4110, 6.0752, 25.6933

Complementary

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



12.0696, 6.0752, 7.9336



10.0881, 18.8089, 7.5160

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.



2.3996, 6.0752, 14.3371



12.0696, 6.0752, 7.9336



2.6488, 6.0752, 1.4122

Square

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



12.0696, 6.0752, 7.9336



6.2181, 6.0752, 0.0000



2.1679, 6.0752, 5.4510



5.3522, 6.0752, 32.2971

Rectangle

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



12.0696, 6.0752, 7.9336



9.9335, 6.0752, 0.8562



2.1679, 6.0752, 5.4510



2.9763, 6.0752, 22.0307

Sweetspot

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



12.0698, 6.0756, 7.9337



32.7457, 27.3893, 35.6527



6.5840, 2.8722, 24.6334



7.2997, 5.9094, 7.8569



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.



12.0698, 6.0756, 7.9337



21.4821, 10.7955, 13.6060



10.7145, 5.5334, 0.7967



5.1435, 5.0928, 5.8440



10.8778, 5.4612, 7.1268



0.0796, 0.0392, 0.0861

Inverse Universe

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



12.0698, 6.0756, 7.9337



21.4821, 10.7955, 13.6060



13.2613, 20.0781, 24.2257



5.1435, 5.0928, 5.8440



10.8778, 5.4612, 7.1268



0.0796, 0.0392, 0.0861

Previews

White Background



This preview shows how the XYZ color 12.0696, 6.0752, 7.9336 looks on a white background.

Color Contrast Check

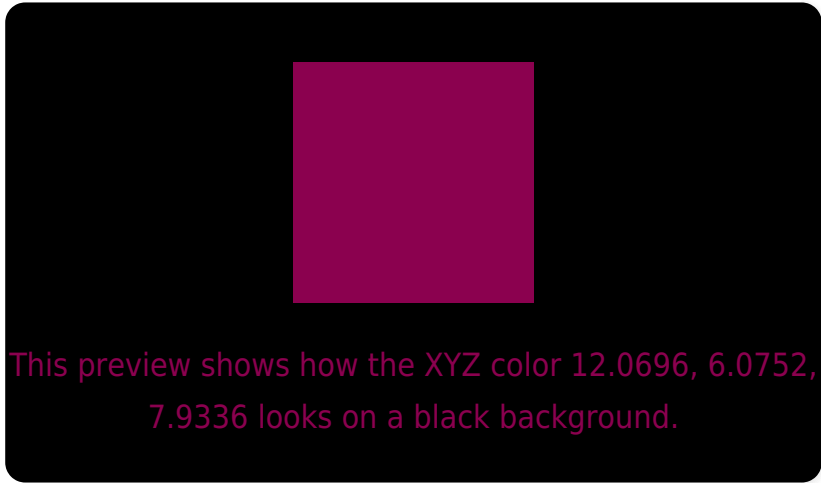
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0696, 6.0752, 7.9336

Background



This preview shows how black text looks on a background with the XYZ color 12.0696, 6.0752, 7.9336.



This preview shows how white text looks on a background with the XYZ color 12.0696, 6.0752,

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

12.0696, 6.0752, 7.9336

Protanopia

7.0996, 6.7492, 16.8481

Deuteranopia

6.7641, 6.6930, 7.2387



Tritanopia

10.9040, 6.3185, 2.0114

Trichromacy



Original Color

12.0696, 6.0752, 7.9336

Protanomaly

7.2564, 4.9198, 12.8791

Deuteranomaly

7.6138, 5.2287, 7.2646

Tritanomaly

11.1211, 6.0404, 3.4855

Monochromacy



Original Color

12.0696, 6.0752, 7.9336

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

4.9534, 3.2636, 4.7837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0696, 6.0752, 7.9336 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(139, 1, 79)` looks like.

```
.text, #text, p{  
    color:rgb(139, 1, 79)  
}
```

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(139, 1, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 1, 79) }
```

Border

The CSS property to change the border of an element to XYZ 12.0696, 6.0752, 7.9336 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(139, 1, 79) }
```


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

```
.border{ border-color:rgb(139, 1, 79) }
```

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

Here you see how a box with a 4 pixel rgb(139, 1, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 1, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 1, 79);  
box-shadow:4px 4px 4px 4px rgb(139, 1, 79)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.0696, 6.0752, 7.9336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 1, 79) }
```

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

```
.background{ background-color: rgb(139, 1,  
79) }
```

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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