

Converting Colors

XYZ(12.0182, 6.3695, 3.5522)

Have a look what the booklet for
XYZ(12.0182, 6.3695, 3.5522)
contains.

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Color

**XYZ(12.0391, 6.3755,
3.5018)**

Conversions

Conversions Part 1

Format	Color
Hex	8F0E31
RGB	143, 14, 49
RGB Percent	56%, 5%, 19%
CMY	0.4392, 0.9450, 0.8078
CMYK	0.00, 0.90, 0.66, 0.44
HSL	344°, 82%, 31%
HSV	344°, 90%, 56%
XYZ	12.0391, 6.3755, 3.5018
YIQ	56.5610, 65.6490, 38.2330

Conversions

Conversions Part 2

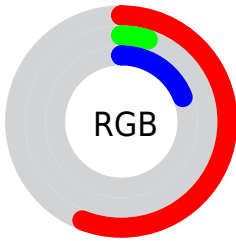
Format	Color
R_{YB}	143, 14, 49
Decimal	9375281
CIE _{Lab}	30.34, 51.36, 16.30
CIE _{LCh}	30, 53.884, 17.603
Yxy	6.3755, 0.5493, 0.2909
Android (android.graphics.Color)	4287565361 (0xFF8F0E31)
YUV	56.5610, -3.7276, 75.8070
Hunter-Lab	25.2498, 40.9219, 9.4521

Details

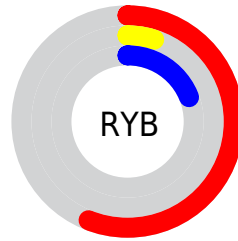
The XYZ color **12.0391, 6.3755, 3.5018** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **12.7114, 20.8213, 17.5410**, and the grayscale version is **3.8314, 4.0310, 4.3897**.

A 20% lighter version of the original color is **29.3480, 18.8305, 12.9143**, and **3.8487, 1.9828, 0.2373** is the 20% darker color. If you saturate the color by 10%, you get **11.6902, 5.9846, 2.4398**, and if you desaturate by 10%, it is **12.5508, 7.0054, 4.8859**.

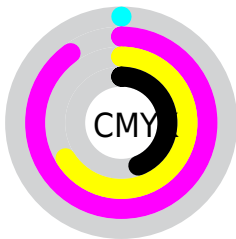
Distribution



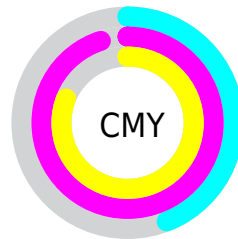
- Red (56%)
- Green (5%)
- Blue (19%)



- Red (56%)
- Yellow (5%)
- Blue (19%)



- Cyan (0%)
- Magenta (90%)
- Yellow (66%)
- Black (44%)





- Cyan (44%)
- Magenta (95%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.0391, 6.3755, 3.5018 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 12.0391, 6.3755, 3.5018 by changing the saturation by 10% instead.


 12.0391, 6.3755,
3.5018


 12.0391, 6.3755,
3.5018


198.4286,
162.3689, 142.5156


 6.8427, 3.0747,
1.3562


 29.1825, 18.7054,
12.8434


 3.4094, 1.1709,
0.1072

 41.8603, 28.5033,
20.8765


 1.3738, 0.0377,
0.0000

 57.7625, 41.2357,
31.7092

 0.2374, 0.0000,
0.0000

 77.2546, 57.2869,
45.7601

 0.0000, 0.0000,
0.0000

 100.7019, 77.0415,
63.4476

 128.4698,

100.8838, 85.1903

160.9236,
129.1981, 111.4068

12.0391, 6.3755,
3.5018

12.0391, 6.3755,
3.5018

11.6902, 5.9846,
2.4398

12.5508, 7.0054,
4.8859

13.2782, 7.9799,
6.6089

14.2444, 9.3408,
8.6930

15.4695, 11.1237,
11.1585

16.9712, 13.3600,
14.0239

■ 18.7657, 16.0783,
17.3065

■ 20.8679, 19.3046,
21.0226

■ 23.2917, 23.0631,
25.1876

■ 26.0499, 27.3766,
29.8159

Harmonies

Analogous

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



12.2222, 6.3755, 10.4147



12.0391, 6.3755, 3.5018



10.0043, 6.3755, 0.8753

Triad

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



12.0391, 6.3755, 3.5018



3.1117, 6.3755, 1.1254



5.0667, 6.3755, 31.6784

Complementary

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



12.0391, 6.3755, 3.5018



12.7114, 20.8213, 17.5410

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.



3.3181, 6.3755, 23.3370



12.0391, 6.3755, 3.5018



2.4211, 6.3755, 4.3421

Square

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



12.0391, 6.3755, 3.5018



4.6943, 6.3755, 0.0665



2.4842, 6.3755, 12.1144



7.6671, 6.3755, 30.7787

Rectangle

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



12.0391, 6.3755, 3.5018



8.1269, 6.3755, 0.1743



2.4842, 6.3755, 12.1144



4.3766, 6.3755, 29.7069

Sweetspot

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



12.0393, 6.3759, 3.5019



34.5413, 30.2217, 32.6653



11.1132, 5.3898, 26.4410



7.6754, 6.5553, 7.0511



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.



12.0393, 6.3759, 3.5019



20.8725, 10.6924, 4.0369



12.2337, 7.5247, 1.2237



5.4652, 5.4466, 5.9479



10.3444, 5.2948, 2.1988



0.1071, 0.0539, 0.0643

Inverse Universe

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



12.0393, 6.3759, 3.5019



20.8725, 10.6924, 4.0369



11.2761, 14.3503, 28.1619



5.4652, 5.4466, 5.9479



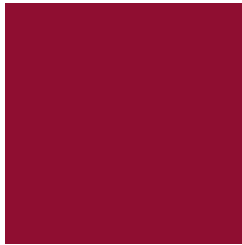
10.3444, 5.2948, 2.1988



0.1071, 0.0539, 0.0643

Previews

White Background



This preview shows how the XYZ color 12.0391, 6.3755, 3.5018 looks on a white background.

Color Contrast Check

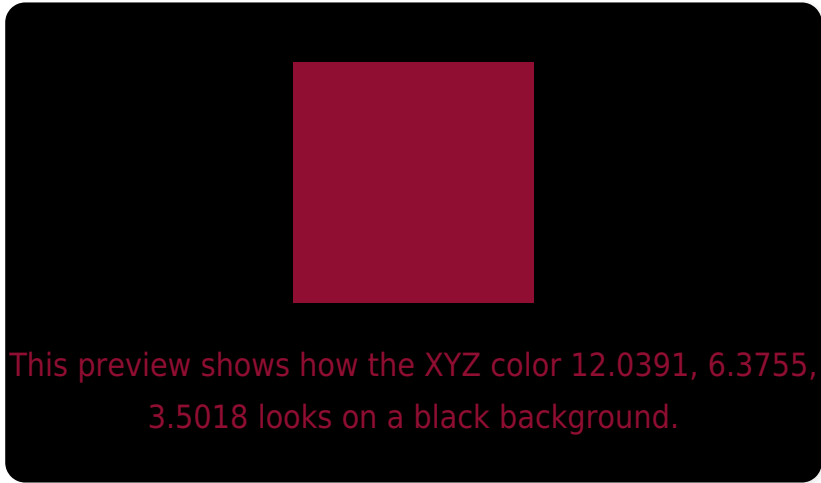
Large Text (above 18pt) WCAG AA ✓ Pass

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

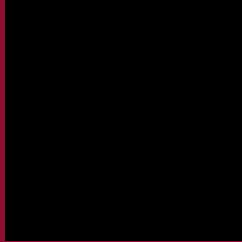
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.0391, 6.3755, 3.5018

Background



This preview shows how black text looks on a background with the XYZ color 12.0391, 6.3755, 3.5018.



This preview shows how white text looks on a background with the XYZ color 12.0391, 6.3755,

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

12.0391, 6.3755, 3.5018

Protanopia

6.5004, 6.7565, 6.9228

Deuteranopia

6.8427, 6.7284, 3.2236



Tritanopia

11.6065, 6.4215, 1.3868

Trichromacy



Original Color

12.0391, 6.3755, 3.5018

Protanomaly

7.3807, 5.5242, 5.3799

Deuteranomaly

7.9209, 5.7219, 3.1696

Tritanomaly

11.6662, 6.3554, 1.9783

Monochromacy



Original Color

12.0391, 6.3755, 3.5018

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

5.4833, 3.9269, 3.9590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0391, 6.3755, 3.5018 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, 14, 49)` looks like.

```
.text, #text, p{  
    color:rgb(143, 14, 49)  
}
```

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, 14, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 14, 49) }
```

Border

The CSS property to change the border of an element to XYZ 12.0391, 6.3755, 3.5018 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, 14, 49) }
```


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

```
.border{ border-color:rgb(143, 14, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 14, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 14, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 14, 49);  
box-shadow:4px 4px 4px 4px rgb(143, 14,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0391, 6.3755, 3.5018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 14, 49) }
```

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

```
.background{ background-color: rgb(143, 14,  
49) }
```

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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