

Converting Colors

XYZ(11.2104, 4.4917, 3.3807)

Have a look what the booklet for
XYZ(11.2104, 4.4917, 3.3807)
contains.

XYZ(12.0991, 6.1683, 3.6849)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.0991, 6.1683,
3.6849)**

Conversions

Conversions Part 1

Format	Color
Hex	900033
RGB	144, 0, 51
RGB Percent	56%, 0%, 20%
CMY	0.4353, 0.9999, 0.8000
CMYK	0.00, 1.00, 0.65, 0.44
HSL	339°, 100%, 28%
HSV	339°, 100%, 56%
XYZ	12.0991, 6.1683, 3.6849
YIQ	48.8700, 69.4530, 46.3890

Conversions

Conversions Part 2

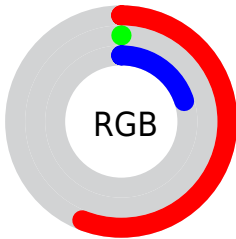
Format	Color
R_{YB}	144, 0, 51
Decimal	9437235
CIE Lab	29.83, 53.96, 14.33
CIE LCh	30, 55.835, 14.872
Yxy	6.1683, 0.5512, 0.2810
Android (android.graphics.Color)	4287627315 (0xFF900033)
YUV	48.8700, 1.0501, 83.4290
Hunter-Lab	24.8361, 43.4947, 8.5884

Details

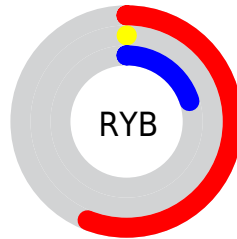
The XYZ color **12.0991, 6.1683, 3.6849** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **11.9500, 20.7371, 13.7331**, and the grayscale version is **2.8995, 3.0505, 3.3220**.

A 20% lighter version of the original color is **29.3769, 18.3352, 13.3000**, and **3.8651, 1.9894, 0.3239** is the 20% darker color. If you saturate the color by 10%, you get **12.0987, 6.1681, 3.6834**, and if you desaturate by 10%, it is **12.4878, 6.5842, 4.9296**.

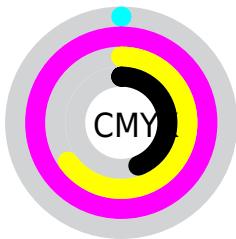
Distribution



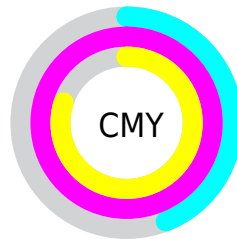
- Red (56%)
- Green (0%)
- Blue (20%)



- Red (56%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (65%)
- Black (44%)





- Cyan (44%)
- Magenta (100%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.0991, 6.1683, 3.6849 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 12.0991, 6.1683, 3.6849 by changing the saturation by 10% instead.


 12.0991, 6.1683,
3.6849


 12.0991, 6.1683,
3.6849


198.8168,
160.5623, 144.6559


 6.8839, 2.9477,
1.4541


 29.2908, 18.2793,
13.2763

 3.4353, 1.1045,
0.1834

 41.9979, 27.9385,
21.4739


 1.3879, 0.0000,
0.0000

 57.9331, 40.5127,
32.4977

 0.2476, 0.0000,
0.0000

 77.4617, 56.3863,
46.7660

 0.0000, 0.0000,
0.0000

 100.9489, 75.9436,
64.6974

 128.7603, 99.5691,

86.7105

161.2612,
127.6472, 113.2238

12.0991, 6.1683,
3.6849

12.0991, 6.1683,
3.6849

12.0987, 6.1681,
3.6834

12.4878, 6.5842,
4.9296

13.0294, 7.2363,
6.4388

13.7812, 8.2361,
8.2422

14.7654, 9.6251,
10.3567

16.0015, 11.4390,
12.7980

■ 17.5066, 13.7095,
15.5804

■ 19.2964, 16.4650,
18.7172

■ 21.3852, 19.7319,
22.2211

■ 23.7864, 23.5345,
26.1041

Harmonies

Analogous

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



12.0898, 6.1683, 11.1589



12.0991, 6.1683, 3.6849



10.1383, 6.1683, 0.8420

Triad

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



12.0991, 6.1683, 3.6849



3.0085, 6.1683, 0.8297



4.6588, 6.1683, 31.9645

Complementary

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



12.0991, 6.1683, 3.6849



11.9500, 20.7371, 13.7331

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.



2.9984, 6.1683, 22.5994



12.0991, 6.1683, 3.6849



2.2543, 6.1683, 3.6438

Square

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



12.0991, 6.1683, 3.6849



4.6773, 6.1683, 0.0000



2.2512, 6.1683, 11.0728



7.2334, 6.1683, 32.0111

Rectangle

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



12.0991, 6.1683, 3.6849



8.2371, 6.1683, 0.0619



2.2512, 6.1683, 11.0728



3.9951, 6.1683, 29.6086

Sweetspot

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



12.0992, 6.1687, 3.6850



33.8208, 28.7090, 32.6462



9.3690, 4.2487, 26.7116



7.4713, 6.1436, 6.9934



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.



12.0992, 6.1687, 3.6850



21.2670, 10.8502, 6.1141



11.7382, 6.4024, 0.6177



5.4828, 5.4537, 6.0406



10.5463, 5.3755, 3.2623



0.1106, 0.0553, 0.0826

Inverse Universe

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



12.0992, 6.1687, 3.6850



21.2670, 10.8502, 6.1141



12.3428, 16.6309, 28.9448



5.4828, 5.4537, 6.0406



10.5463, 5.3755, 3.2623



0.1106, 0.0553, 0.0826

Previews

White Background



This preview shows how the XYZ color 12.0991, 6.1683, 3.6849 looks on a white background.

Color Contrast Check

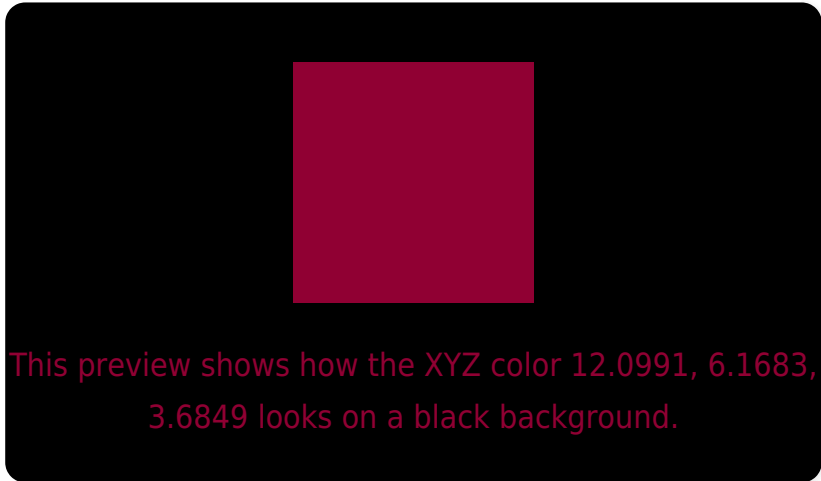
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0991, 6.1683, 3.6849

Background



This preview shows how black text looks on a background with the XYZ color 12.0991, 6.1683, 3.6849.



This preview shows how white text looks on a background with the XYZ color 12.0991, 6.1683,

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

12.0991, 6.1683, 3.6849

Protanopia

6.5542, 6.7689, 7.6177

Deuteranopia

6.7836, 6.6936, 3.4171



Tritanopia

11.7050, 6.4196, 1.1945

Trichromacy



Original Color

12.0991, 6.1683, 3.6849

Protanomaly

7.2159, 5.0567, 5.7500

Deuteranomaly

7.7582, 5.3332, 3.3098

Tritanomaly

11.7060, 6.2212, 1.8121

Monochromacy



Original Color

12.0991, 6.1683, 3.6849

Achromatopsia

2.9193, 3.0713, 3.3447

Achromatomaly

4.7219, 3.0951, 3.3662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0991, 6.1683, 3.6849 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(144, 0, 51)` looks like.

```
.text, #text, p{  
    color:rgb(144, 0, 51)  
}
```

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(144, 0, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 0, 51) }
```

Border

The CSS property to change the border of an element to XYZ 12.0991, 6.1683, 3.6849 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(144, 0, 51) }
```


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

```
.border{ border-color:rgb(144, 0, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 0, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 0, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 0, 51);  
box-shadow:4px 4px 4px 4px rgb(144, 0, 51)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.0991, 6.1683, 3.6849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 0, 51) }
```

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

```
.background{ background-color: rgb(144, 0,  
51) }
```

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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