

Converting Colors

XYZ(12.5173, 6.4615, 3.7653)

Have a look what the booklet for
XYZ(12.5173, 6.4615, 3.7653)
contains.

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Color

**XYZ(12.5059, 6.4585,
3.7195)**

Conversions

Conversions Part 1

Format	Color
Hex	920533
RGB	146, 5, 51
RGB Percent	57%, 2%, 20%
CMY	0.4275, 0.9803, 0.8000
CMYK	0.00, 0.97, 0.65, 0.43
HSL	340°, 93%, 30%
HSV	340°, 97%, 57%
XYZ	12.5059, 6.4585, 3.7195
YIQ	52.4030, 69.2700, 44.1980

Conversions

Conversions Part 2

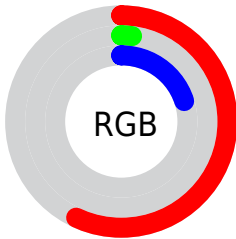
Format	Color
R_{YB}	146, 5, 51
Decimal	9569587
CIE Lab	30.54, 53.70, 15.35
CIE LCh	31, 55.852, 15.951
Yxy	6.4585, 0.5513, 0.2847
Android (android.graphics.Color)	4287759667 (0xFF920533)
YUV	52.4030, -0.6917, 82.0846
Hunter-Lab	25.4136, 43.3652, 9.1119

Details

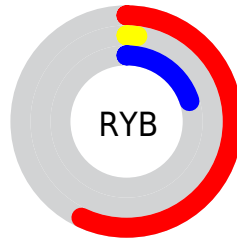
The XYZ color **12.5059, 6.4585, 3.7195** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **12.6427, 21.5105, 15.5461**, and the grayscale version is **3.3080, 3.4803, 3.7900**.

A 20% lighter version of the original color is **30.0600, 18.8824, 13.3696**, and **4.0519, 2.0857, 0.3326** is the 20% darker color. If you saturate the color by 10%, you get **12.3798, 6.3213, 3.3231**, and if you desaturate by 10%, it is **12.9354, 6.9330, 5.0486**.

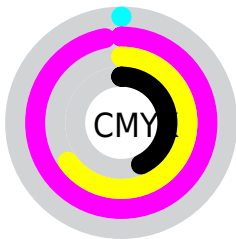
Distribution



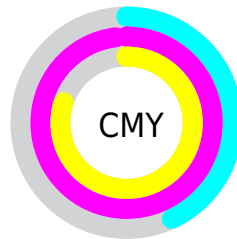
- Red (57%)
- Green (2%)
- Blue (20%)



- Red (57%)
- Yellow (2%)
- Blue (20%)



- Cyan (0%)
- Magenta (97%)
- Yellow (65%)
- Black (43%)





- Cyan (43%)
- Magenta (98%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.5059, 6.4585, 3.7195 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 12.5059, 6.4585, 3.7195 by changing the saturation by 10% instead.


 12.5059, 6.4585,
3.7195


 12.5059, 6.4585,
3.7195


201.4286,
163.0853, 145.0546


 7.1638, 3.1258,
1.4728


 30.0221, 18.8753,
13.3575


 3.6120, 1.1978,
0.1975

 42.9270, 28.7281,
21.5858


 1.4851, 0.0599,
0.0000

 59.0836, 41.5232,
32.6451

 0.3156, 0.0000,
0.0000

 78.8571, 57.6449,
46.9539

 0.0000, 0.0000,
0.0000

 102.6130, 77.4775,
64.9307

 130.7167,

101.4055, 86.9941

163.5334,
129.8133, 113.5625

12.5059, 6.4585,
3.7195

12.5059, 6.4585,
3.7195

12.3798, 6.3213,
3.3231

12.9354, 6.9330,
5.0486

13.5592, 7.7182,
6.6821

14.4117, 8.8791,
8.6437

15.5152, 10.4564,
10.9522

16.8890, 12.4858,
13.6248

■ 18.5508, 14.9988,
16.6772

■ 20.5163, 18.0243,
20.1244

■ 22.8004, 21.5887,
23.9804

■ 25.4168, 25.7167,
28.2584

Harmonies

Analogous

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



12.5768, 6.4585, 11.2330



12.5059, 6.4585, 3.7195



10.4380, 6.4585, 0.8748

Triad

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



12.5059, 6.4585, 3.7195



3.1417, 6.4585, 0.9665



4.9762, 6.4585, 33.0602

Complementary

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



12.5059, 6.4585, 3.7195



12.6427, 21.5105, 15.5461

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.



3.2193, 6.4585, 23.7467



12.5059, 6.4585, 3.7195



2.3872, 6.4585, 4.0360

Square

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



12.5059, 6.4585, 3.7195



4.8346, 6.4585, 0.0000



2.4107, 6.4585, 11.8887



7.6582, 6.4585, 32.7075

Rectangle

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



12.5059, 6.4585, 3.7195



8.4741, 6.4585, 0.1155



2.4107, 6.4585, 11.8887



4.2773, 6.4585, 30.7708

Sweetspot

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



12.5061, 6.4589, 3.7196



35.0871, 30.0856, 33.5889



10.3889, 4.8372, 27.5802



7.5113, 6.2400, 6.9563



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.



12.5061, 6.4589, 3.7196



21.7691, 11.1233, 5.4924



12.3091, 6.9770, 0.8420



5.8741, 5.8447, 6.4434



10.9037, 5.5665, 2.9737



0.1459, 0.0731, 0.1020

Inverse Universe

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



12.5061, 6.4589, 3.7196



21.7691, 11.1233, 5.4924



12.2725, 16.1505, 29.6646



5.8741, 5.8447, 6.4434



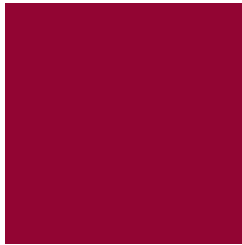
10.9037, 5.5665, 2.9737



0.1459, 0.0731, 0.1020

Previews

White Background



This preview shows how the XYZ color 12.5059, 6.4585, 3.7195 looks on a white background.

Color Contrast Check

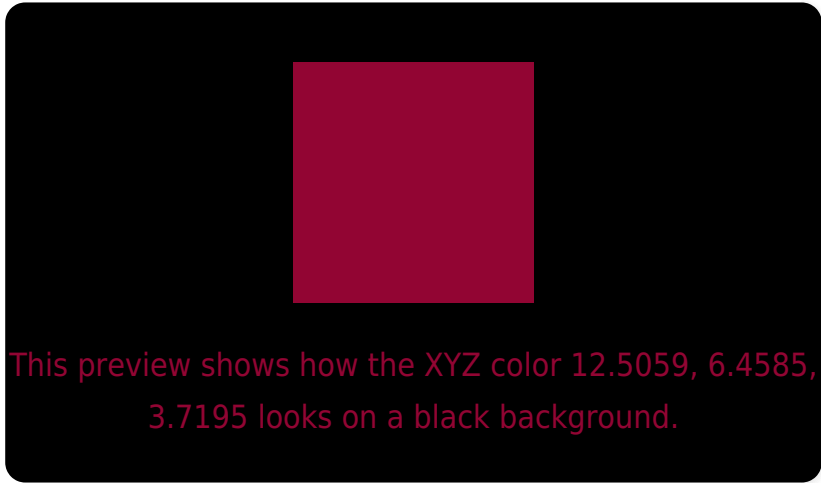
Large Text (above 18pt) WCAG AA ✓ Pass

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

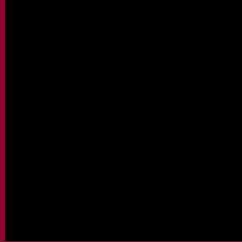
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5059, 6.4585, 3.7195

Background



This preview shows how black text looks on a background with the XYZ color 12.5059, 6.4585, 3.7195.



This preview shows how white text looks on a background with the XYZ color 12.5059, 6.4585,

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

12.5059, 6.4585, 3.7195

Protanopia

6.6993, 6.9421, 7.6435

Deuteranopia

7.0413, 6.9201, 3.4472



Tritanopia

12.0628, 6.6031, 1.2548

Trichromacy



Original Color

12.5059, 6.4585, 3.7195

Protanomaly

7.4485, 5.3567, 5.7956

Deuteranomaly

8.0852, 5.6178, 3.3475

Tritanomaly

12.0952, 6.4603, 1.9058

Monochromacy



Original Color

12.5059, 6.4585, 3.7195

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.0586, 3.4284, 3.6439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5059, 6.4585, 3.7195 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(146, 5, 51)` looks like.

```
.text, #text, p{  
    color:rgb(146, 5, 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(146, 5, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 5, 51) }
```

Border

The CSS property to change the border of an element to XYZ 12.5059, 6.4585, 3.7195 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(146, 5, 51) }
```


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

```
.border{ border-color:rgb(146, 5, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 5, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 5, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 5, 51);  
box-shadow:4px 4px 4px 4px rgb(146, 5, 51)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.5059, 6.4585, 3.7195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 5, 51) }
```

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

```
.background{ background-color: rgb(146, 5,  
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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