

Converting Colors

XYZ(12.7492, 6.4557, 5.8697)

Have a look what the booklet for
XYZ(12.7492, 6.4557, 5.8697)
contains.

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Color

**XYZ(12.6902, 6.4250,
5.8815)**

Conversions

Conversions Part 1

Format	Color
Hex	910043
RGB	145, 0, 67
RGB Percent	57%, 0%, 26%
CMY	0.4314, 0.9999, 0.7373
CMYK	0.00, 1.00, 0.54, 0.43
HSL	332°, 100%, 28%
HSV	332°, 100%, 57%
XYZ	12.6902, 6.4250, 5.8815
YIQ	50.9930, 64.9130, 51.5770

Conversions

Conversions Part 2

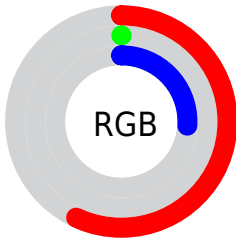
Format	Color
RYB	145, 0, 67
Decimal	9502787
CIELab	30.46, 55.29, 4.50
CIElCh	30, 55.475, 4.654
Yxy	6.4250, 0.5077, 0.2570
Android (android.graphics.Color)	4287692867 (0xFF910043)
YUV	50.9930, 7.8915, 82.4441
Hunter-Lab	25.3476, 45.0073, 3.9860

Details

The XYZ color **12.6902, 6.4250, 5.8815** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **11.5014, 20.8012, 10.6200**, and the grayscale version is **3.1328, 3.2959, 3.5893**.

A 20% lighter version of the original color is **30.3789, 18.8403, 18.2550**, and **4.2000, 2.1449, 1.1123** is the 20% darker color. If you saturate the color by 10%, you get **12.6899, 6.4249, 5.8800**, and if you desaturate by 10%, it is **13.1043, 6.8532, 7.2531**.

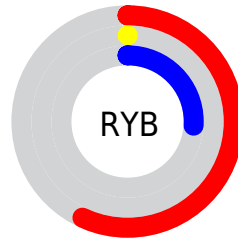
Distribution



Red (57%)

Green (0%)

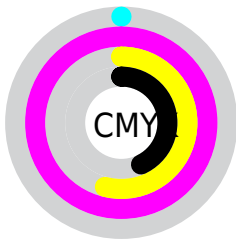
Blue (26%)



Red (57%)

Yellow (0%)

Blue (26%)

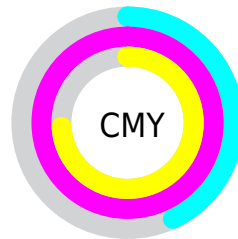


Cyan (0%)

Magenta (100%)

Yellow (54%)

Black (43%)



Cyan (43%)


Magenta (100%)

Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.6902, 6.4250, 5.8815 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 12.6902, 6.4250, 5.8815 by changing the saturation by 10% instead.

 12.6902, 6.4250,
5.8815


 12.6902, 6.4250,
5.8815


202.6005,
162.7966, 167.2781


 7.2911, 3.1052,
2.7055


 30.3522, 18.8067,
18.1578


 3.6927, 1.1869,
0.9462

 43.3457, 28.6375,
28.0953


 1.5298, 0.0510,
0.0000

 59.6015, 41.4073,
41.1237

 0.3460, 0.0000,
0.0000

 79.4848, 57.5006,
57.6615

 0.0000, 0.0000,
0.0000

 103.3610, 77.3018,
78.1273

 131.5954,

101.1953, 102.9396

164.5535,
129.5654, 132.5170

12.6902, 6.4250,
5.8815

12.6902, 6.4250,
5.8815

12.6899, 6.4249,
5.8800

13.1043, 6.8532,
7.2531

13.6629, 7.5178,
8.8343

14.4226, 8.5305,
10.6495

15.4053, 9.9334,
12.7113

16.6298, 11.7625,
15.0310

■ 18.1130, 14.0496,
17.6189

■ 19.8698, 16.8235,
20.4849

■ 21.9142, 20.1106,
23.6381

■ 24.2592, 23.9354,
27.0870

Harmonies

Analogous

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



11.9373, 6.4250, 15.2447



12.6902, 6.4250, 5.8815



11.3051, 6.4250, 1.5585

Triad

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



12.6902, 6.4250, 5.8815



3.6517, 6.4250, 0.4813



4.1817, 6.4250, 30.0673

Complementary

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



12.6902, 6.4250, 5.8815



11.5014, 20.8012, 10.6200

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.



2.8111, 6.4250, 18.9420



12.6902, 6.4250, 5.8815



2.5727, 6.4250, 2.4361

Square

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



12.6902, 6.4250, 5.8815



5.7042, 6.4250, 0.0000



2.3166, 6.4250, 8.2425



6.5279, 6.4250, 33.7825

Rectangle

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



12.6902, 6.4250, 5.8815



9.5384, 6.4250, 0.5081



2.3166, 6.4250, 8.2425



3.6162, 6.4250, 26.8090

Sweetspot

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



12.6904, 6.4254, 5.8816



35.3680, 29.7845, 36.3428



8.1993, 3.6368, 27.0578



7.5953, 6.1932, 7.6465



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.



12.6904, 6.4254, 5.8816



22.6396, 11.4716, 10.0764



11.7298, 6.1251, 0.5646



5.5060, 5.4629, 6.1627



10.8974, 5.5160, 5.1113



0.1151, 0.0571, 0.1064

Inverse Universe

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



12.6904, 6.4254, 5.8816



22.6396, 11.4716, 10.0764



14.5136, 20.8495, 30.0474



5.5060, 5.4629, 6.1627



10.8974, 5.5160, 5.1113



0.1151, 0.0571, 0.1064

Previews

White Background



This preview shows how the XYZ color 12.6902, 6.4250, 5.8815 looks on a white background.

Color Contrast Check

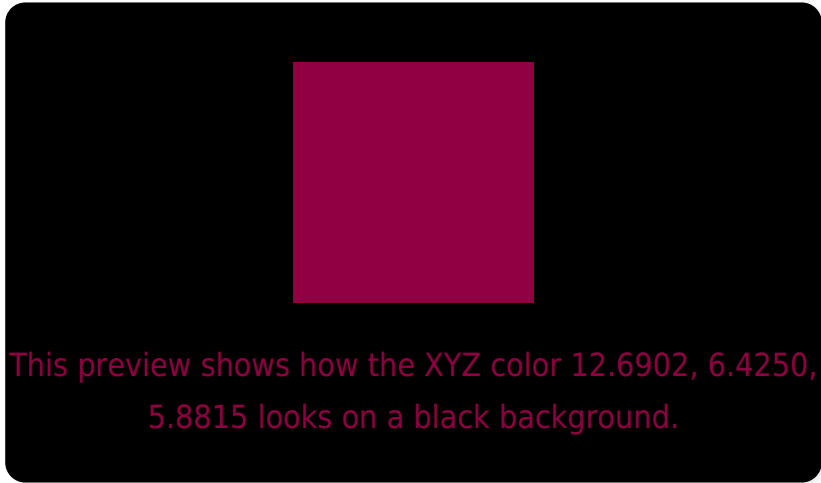
Large Text (above 18pt) WCAG AA ✓ Pass

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

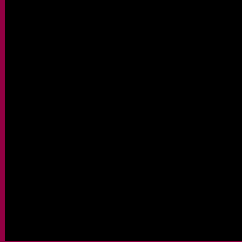
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.6902, 6.4250, 5.8815

Background



This preview shows how black text looks on a background with the XYZ color 12.6902, 6.4250, 5.8815.



This preview shows how white text looks on a background with the XYZ color 12.6902, 6.4250,

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

12.6902, 6.4250, 5.8815

Protanopia

7.0607, 7.0258, 12.2932

Deuteranopia

7.0901, 6.9979, 5.3919



Tritanopia

11.9061, 6.6981, 1.6426

Trichromacy



Original Color

12.6902, 6.4250, 5.8815

Protanomaly

7.6260, 5.2463, 9.4148

Deuteranomaly

8.0585, 5.5010, 5.3397

Tritanomaly

12.1023, 6.4903, 2.7127

Monochromacy



Original Color

12.6902, 6.4250, 5.8815

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

5.0013, 3.2597, 4.2365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6902, 6.4250, 5.8815 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(145, 0, 67)` looks like.

```
.text, #text, p{  
    color:rgb(145, 0, 67)  
}
```

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(145, 0, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 0, 67) }
```

Border

The CSS property to change the border of an element to XYZ 12.6902, 6.4250, 5.8815 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(145, 0, 67) }
```


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

```
.border{ border-color:rgb(145, 0, 67) }
```

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

Here you see how a box with a 4 pixel rgb(145, 0, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 0, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 0, 67);  
box-shadow:4px 4px 4px 4px rgb(145, 0, 67)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.6902, 6.4250, 5.8815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 0, 67) }
```

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

```
.background{ background-color: rgb(145, 0,  
67) }
```

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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