

Converting Colors

XYZ(12.4130, 6.4583, 2.5291)

Have a look what the booklet for
XYZ(12.4130, 6.4583, 2.5291)
contains.

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Color

**XYZ(12.4640, 6.4798,
2.5133)**

Conversions

Conversions Part 1

Format	Color
Hex	930627
RGB	147, 6, 39
RGB Percent	58%, 2%, 15%
CMY	0.4235, 0.9764, 0.8471
CMYK	0.00, 0.96, 0.73, 0.42
HSL	346°, 92%, 30%
HSV	346°, 96%, 58%
XYZ	12.4640, 6.4798, 2.5133
YIQ	51.9210, 73.4430, 40.1550

Conversions

Conversions Part 2

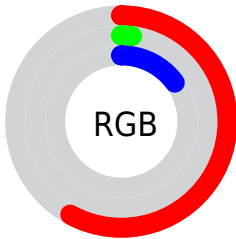
Format	Color
R_YB	147, 6, 39
Decimal	9635367
CIE Lab	30.59, 53.20, 23.39
CIE LCh	31, 58.110, 23.731
Yxy	6.4798, 0.5809, 0.3020
Android (android.graphics.Color)	4287825447 (0xFF930627)
YUV	51.9210, -6.3701, 83.3843
Hunter-Lab	25.4555, 42.8537, 11.9649

Details

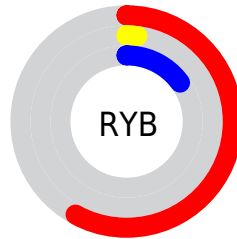
The XYZ color **12.4640, 6.4798, 2.5133** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **13.5474, 22.1216, 19.4813**, and the grayscale version is **3.2571, 3.4268, 3.7317**.

A 20% lighter version of the original color is **30.0614, 18.9475, 10.4603**, and **4.0245, 2.0747, 0.1883** is the 20% darker color. If you saturate the color by 10%, you get **12.3269, 6.3208, 2.1133**, and if you desaturate by 10%, it is **12.8770, 6.9617, 3.7124**.

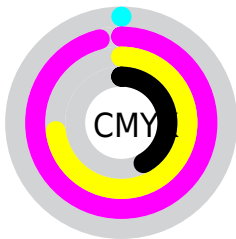
Distribution



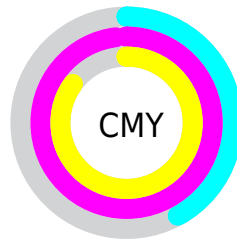
- Red (58%)
- Green (2%)
- Blue (15%)



- Red (58%)
- Yellow (2%)
- Blue (15%)



- Cyan (0%)
- Magenta (96%)
- Yellow (73%)
- Black (42%)



- Cyan (42%)
- Magenta (98%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4640, 6.4798, 2.5133 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 12.4640, 6.4798, 2.5133 by changing the saturation by 10% instead.

12.4640, 6.4798,
2.5133

12.4640, 6.4798,
2.5133

201.1612,
163.2685, 129.8976

7.1349, 3.1390,
0.8472

29.9470, 18.9188,
10.4018

3.5937, 1.2047,
0.0000

42.8316, 28.7857,
17.4660

1.4750, 0.0655,
0.0000

58.9655, 41.5968,
27.1681

0.3087, 0.0000,
0.0000


78.7140, 57.7365,
39.9268


0.0000, 0.0000,
0.0000


102.4425, 77.5891,
56.1605


130.5163,

101.5390, 76.2879


 163.3007,
129.9707, 100.7274

 12.4640, 6.4798,
2.5133


 12.4640, 6.4798,
2.5133

 12.3269, 6.3208,
2.1133

 12.8770, 6.9617,
3.7124

 13.5025, 7.7726,
5.2777

 14.3738, 8.9727,
7.2402

 15.5146, 10.6038,
9.6258

 16.9458, 12.7022,
12.4582

■ 18.6860, 15.3001,
15.7593

■ 20.7526, 18.4273,
19.5492

■ 23.1612, 22.1107,
23.8472

■ 25.9266, 26.3759,
28.6713

Harmonies

Analogous

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



13.1482, 6.4798, 8.8630



12.4640, 6.4798, 2.5133



9.8939, 6.4798, 0.4120

Triad

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



12.4640, 6.4798, 2.5133



2.7758, 6.4798, 1.3208



5.5933, 6.4798, 35.8423

Complementary

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



12.4640, 6.4798, 2.5133



13.5474, 22.1216, 19.4813

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.



3.5066, 6.4798, 27.9995



12.4640, 6.4798, 2.5133



2.2265, 6.4798, 5.5120

Square

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



12.4640, 6.4798, 2.5133



4.2481, 6.4798, 0.0000



2.4466, 6.4798, 15.1851



8.5707, 6.4798, 32.4033

Rectangle

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



12.4640, 6.4798, 2.5133



7.7813, 6.4798, 0.0000



2.4466, 6.4798, 15.1851



4.7792, 6.4798, 34.3229

Sweetspot

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



12.4641, 6.4802, 2.5134



35.7289, 30.8197, 32.4000



11.9827, 5.6660, 28.0657



7.8305, 6.5431, 6.7978



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.4641, 6.4802, 2.5134



22.0175, 11.2963, 3.4764



12.8677, 7.8205, 1.0042



5.8531, 5.8363, 6.3326



10.6953, 5.4832, 1.8764



0.1408, 0.0710, 0.0748

Inverse Universe

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



12.4641, 6.4802, 2.5134



22.0175, 11.2963, 3.4764



11.1090, 13.6798, 29.6586



5.8531, 5.8363, 6.3326



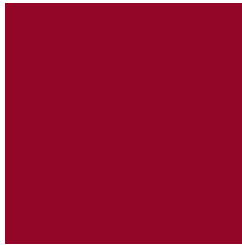
10.6953, 5.4832, 1.8764



0.1408, 0.0710, 0.0748

Previews

White Background



This preview shows how the XYZ color 12.4640, 6.4798, 2.5133 looks on a white background.

Color Contrast Check

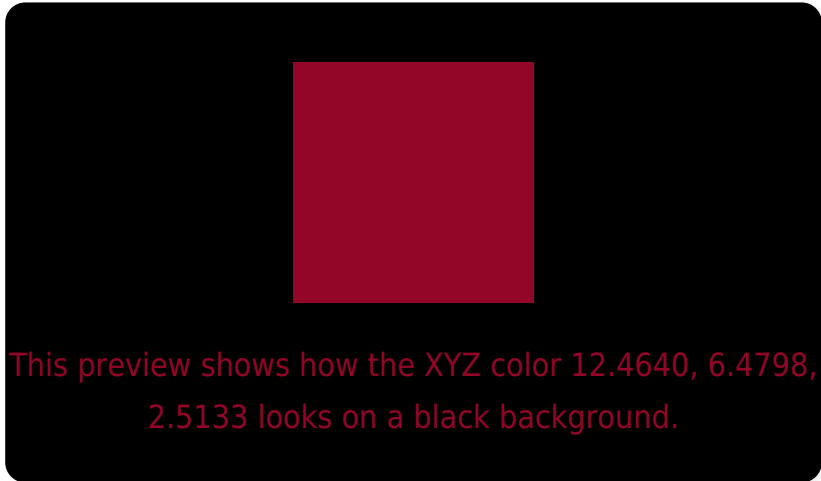
Large Text (above 18pt) WCAG AA ✓ Pass

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

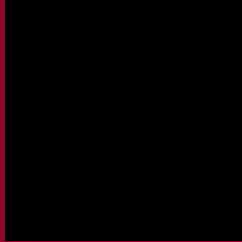
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4640, 6.4798, 2.5133

Background



This preview shows how black text looks on a background with the XYZ color 12.4640, 6.4798, 2.5133.



This preview shows how white text looks on a background with the XYZ color 12.4640, 6.4798,

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

12.4640, 6.4798, 2.5133

Protanopia

6.5881, 7.0431, 5.0152

Deuteranopia

7.0148, 6.9326, 2.2647



Tritanopia

12.1272, 6.5409, 1.0041

Trichromacy



Original Color

12.4640, 6.4798, 2.5133

Protanomaly

7.4471, 5.4633, 3.7940

Deuteranomaly

8.1153, 5.6592, 2.1780

Tritanomaly

12.1428, 6.4568, 1.3653

Monochromacy



Original Color

12.4640, 6.4798, 2.5133

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.0446, 3.4335, 3.0862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4640, 6.4798, 2.5133 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(147, 6, 39)` looks like.

```
.text, #text, p{  
    color:rgb(147, 6, 39)  
}
```

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(147, 6, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 6, 39) }
```

Border

The CSS property to change the border of an element to XYZ 12.4640, 6.4798, 2.5133 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(147, 6, 39) }
```


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

```
.border{ border-color:rgb(147, 6, 39) }
```

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

Here you see how a box with a 4 pixel rgb(147, 6, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 6, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 6, 39);  
box-shadow:4px 4px 4px 4px rgb(147, 6, 39)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.4640, 6.4798, 2.5133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 6, 39) }
```

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

```
.background{ background-color: rgb(147, 6,  
39) }
```

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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