

Converting Colors

XYZ(12.4364, 6.4588, 2.6883)

Have a look what the booklet for
XYZ(12.4364, 6.4588, 2.6883)
contains.

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Color

**XYZ(12.4980, 6.4934,
2.6925)**

Conversions

Conversions Part 1

Format	Color
Hex	930629
RGB	147, 6, 41
RGB Percent	58%, 2%, 16%
CMY	0.4235, 0.9764, 0.8392
CMYK	0.00, 0.96, 0.72, 0.42
HSL	345°, 92%, 30%
HSV	345°, 96%, 58%
XYZ	12.4980, 6.4934, 2.6925
YIQ	52.1490, 72.8010, 40.7770

Conversions

Conversions Part 2

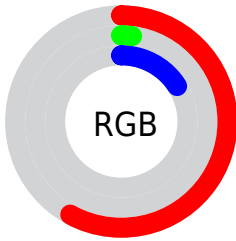
Format	Color
R_{YB}	147, 6, 41
Decimal	9635369
CIE Lab	30.62, 53.29, 22.12
CIE LCh	31, 57.696, 22.543
Yxy	6.4934, 0.5764, 0.2995
Android (android.graphics.Color)	4287825449 (0xFF930629)
YUV	52.1490, -5.4965, 83.1843
Hunter-Lab	25.4822, 42.9535, 11.5728

Details

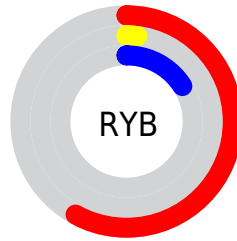
The XYZ color **12.4980, 6.4934, 2.6925** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **13.4347, 22.0764, 18.8881**, and the grayscale version is **3.2833, 3.4543, 3.7617**.

A 20% lighter version of the original color is **29.8606, 18.8348, 10.8658**, and **4.0245, 2.0747, 0.1883** is the 20% darker color. If you saturate the color by 10%, you get **12.3583, 6.3333, 2.2784**, and if you desaturate by 10%, it is **12.9166, 6.9775, 3.9211**.

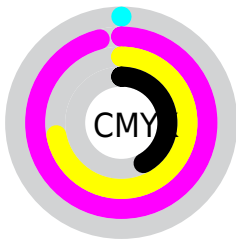
Distribution



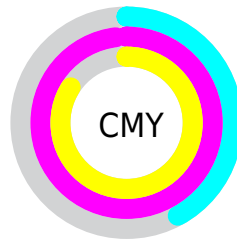
- Red (58%)
- Green (2%)
- Blue (16%)



- Red (58%)
- Yellow (2%)
- Blue (16%)



- Cyan (0%)
- Magenta (96%)
- Yellow (72%)
- Black (42%)





- Cyan (42%)
- Magenta (98%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4980, 6.4934, 2.6925 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 12.4980, 6.4934, 2.6925 by changing the saturation by 10% instead.


 12.4980, 6.4934,
2.6925


 12.4980, 6.4934,
2.6925


201.3782,
163.3853, 132.3423


 7.1584, 3.1474,
0.9396


 30.0080, 18.9466,
10.8597


 3.6086, 1.2091,
0.0000

 42.9090, 28.8225,
18.1114


 1.4832, 0.0692,
0.0000

 59.0613, 41.6438,
28.0332

 0.3143, 0.0000,
0.0000


 78.8302, 57.7949,
41.0436


 0.0000, 0.0000,
0.0000

 102.5809, 77.6602,
57.5612


 130.6789,


101.6241, 78.0045

 163.4896,
130.0710, 102.7920


 12.4980, 6.4934,
2.6925


 12.4980, 6.4934,
2.6925


 12.3583, 6.3333,
2.2784

 12.9166, 6.9775,
3.9211

 13.5462, 7.7900,
5.5078

 14.4197, 8.9911,
7.4820

 15.5607, 10.6223,
9.8685

 16.9897, 12.7198,
12.6898

■ 18.7254, 15.3159,
15.9666

■ 20.7847, 18.4401,
19.7185

■ 23.1832, 22.1196,
23.9636

■ 25.9357, 26.3795,
28.7193

Harmonies

Analogous

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



13.0851, 6.4934, 9.2356



12.4980, 6.4934, 2.6925



10.0018, 6.4934, 0.4895

Triad

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



12.4980, 6.4934, 2.6925



2.8408, 6.4934, 1.2651



5.5073, 6.4934, 35.4553

Complementary

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



12.4980, 6.4934, 2.6925



13.4347, 22.0764, 18.8881

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.



3.4706, 6.4934, 27.3473



12.4980, 6.4934, 2.6925



2.2591, 6.4934, 5.2729

Square

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



12.4980, 6.4934, 2.6925



4.3500, 6.4934, 0.0000



2.4491, 6.4934, 14.6598



8.4422, 6.4934, 32.5101

Rectangle

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



12.4980, 6.4934, 2.6925



7.9077, 6.4934, 0.0000



2.4491, 6.4934, 14.6598



4.7106, 6.4934, 33.8046

Sweetspot

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



12.4981, 6.4938, 2.6926



35.7918, 30.8448, 32.7313



11.9827, 5.6660, 28.0657



7.8460, 6.5493, 6.8794



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.



12.4981, 6.4938, 2.6926



22.0711, 11.3177, 3.7588



12.8677, 7.8205, 1.0042



5.8563, 5.8376, 6.3495



10.7228, 5.4942, 2.0213



0.1415, 0.0714, 0.0790

Inverse Universe

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



12.4981, 6.4938, 2.6926



22.0711, 11.3177, 3.7588



11.1090, 13.6797, 29.6585



5.8563, 5.8376, 6.3495



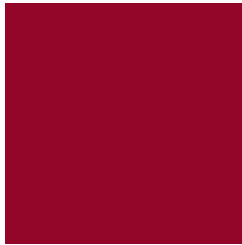
10.7228, 5.4942, 2.0213



0.1415, 0.0714, 0.0790

Previews

White Background



This preview shows how the XYZ color 12.4980, 6.4934, 2.6925 looks on a white background.

Color Contrast Check

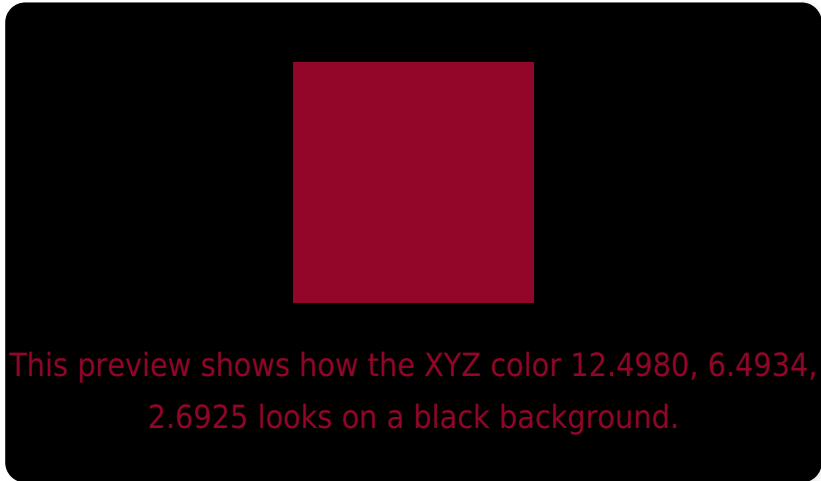
Large Text (above 18pt) WCAG AA ✓ Pass

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

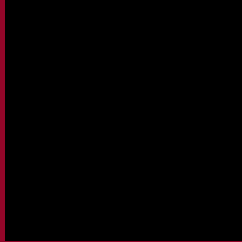
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4980, 6.4934, 2.6925

Background



This preview shows how black text looks on a background with the XYZ color 12.4980, 6.4934, 2.6925.



This preview shows how white text looks on a background with the XYZ color 12.4980, 6.4934,

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

12.4980, 6.4934, 2.6925

Protanopia

6.5828, 7.0313, 5.4251

Deuteranopia

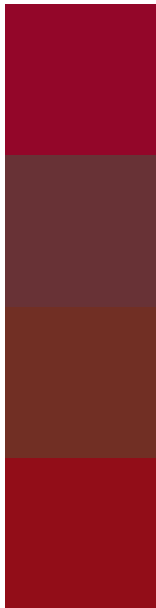
7.0420, 6.9434, 2.4079



Tritanopia

12.1338, 6.5436, 1.0390

Trichromacy



Original Color

12.4980, 6.4934, 2.6925

Protanomaly

7.5154, 5.4906, 4.1537

Deuteranomaly

8.1450, 5.6711, 2.3344

Tritanomaly

12.1629, 6.4648, 1.4709

Monochromacy



Original Color

12.4980, 6.4934, 2.6925

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.0650, 3.4417, 3.1937

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4980, 6.4934, 2.6925 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, 41)` looks like.

```
.text, #text, p{  
    color:rgb(147, 6, 41)  
}
```

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, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 6, 41) }
```

Border

The CSS property to change the border of an element to XYZ 12.4980, 6.4934, 2.6925 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, 41) }
```


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

```
.border{ border-color:rgb(147, 6, 41) }
```

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, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 6, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 6, 41);  
box-shadow:4px 4px 4px 4px rgb(147, 6, 41)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.4980, 6.4934, 2.6925 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, 41) }
```

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

```
.background{ background-color: rgb(147, 6,  
41) }
```

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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