

Converting Colors

XYZ(12.2052, 6.9982, 5.0471)

Have a look what the booklet for
XYZ(12.2052, 6.9982, 5.0471)
contains.

XYZ(12.1747, 6.9894, 4.9824)	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(12.1747, 6.9894,
4.9824)**

Conversions

Conversions Part 1

Format	Color
Hex	8C213C
RGB	140, 33, 60
RGB Percent	55%, 13%, 24%
CMY	0.4510, 0.8706, 0.7647
CMYK	0.00, 0.76, 0.57, 0.45
HSL	345°, 62%, 34%
HSV	345°, 76%, 55%
XYZ	12.1747, 6.9894, 4.9824
YIQ	68.0710, 55.1050, 31.0810

Conversions

Conversions Part 2

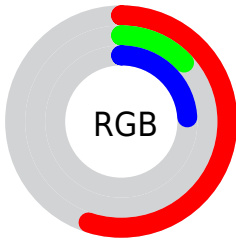
Format	Color
RYB	140, 33, 60
Decimal	9183548
CIELab	31.78, 46.08, 10.85
CIElCh	32, 47.344, 13.247
Yxy	6.9894, 0.5042, 0.2895
Android (android.graphics.Color)	4287373628 (0xFF8C213C)
YUV	68.0710, -3.9790, 63.0817
Hunter-Lab	26.4375, 35.9353, 7.3325

Details

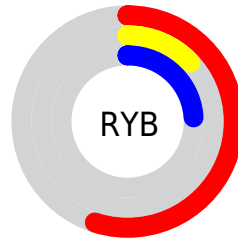
The XYZ color **12.1747, 6.9894, 4.9824** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **12.9865, 20.2720, 18.8532**, and the grayscale version is **5.5064, 5.7931, 6.3087**.

A 20% lighter version of the original color is **29.3507, 19.8837, 16.2009**, and **3.7653, 1.9285, 0.7460** is the 20% darker color. If you saturate the color by 10%, you get **11.6139, 6.2677, 3.5627**, and if you desaturate by 10%, it is **12.9523, 8.0572, 6.7447**.

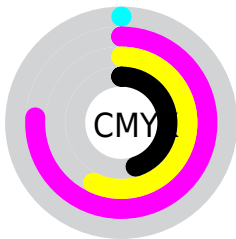
Distribution



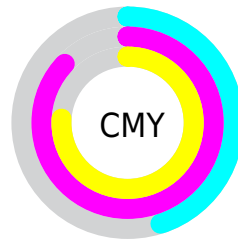
- Red (55%)
- Green (13%)
- Blue (24%)



- Red (55%)
- Yellow (13%)
- Blue (24%)



- Cyan (0%)
- Magenta (76%)
- Yellow (57%)
- Black (45%)




- Cyan (45%)
- Magenta (87%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.1747, 6.9894, 4.9824 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 12.1747, 6.9894, 4.9824 by changing the saturation by 10% instead.


 12.1747, 6.9894,
4.9824


 12.1747, 6.9894,
4.9824


199.3048,
167.5756, 158.5884


 6.9358, 3.4555,
2.1784


 29.4270, 19.9519,
16.2186

 3.4680, 1.3739,
0.6619

 42.1711, 30.1492,
25.4879


 1.4058, 0.1974,
0.0000

 58.1477, 43.3365,
37.7494

 0.2603, 0.0000,
0.0000

 77.7221, 59.8981,
53.4216

 0.0000, 0.0000,
0.0000

 101.2596, 80.2184,
72.9231

 129.1257,

104.6818, 96.6723

161.6856,
133.6728, 125.0879

■ 12.1747, 6.9894,
4.9824

■ 12.1747, 6.9894,
4.9824

■ 11.6139, 6.2677,
3.5627

■ 12.9523, 8.0572,
6.7447

■ 11.2368, 5.8310,
2.4583

■ 13.9671, 9.5068,
8.8709

■ 11.1233, 5.6987,
2.1289

■ 15.2376, 11.3709,
11.3809

■ 16.7801, 13.6782,
14.2929

■ 18.6098, 16.4548,
17.6240

■ 20.7405, 19.7250,
21.3901

■ 23.1852, 23.5111,
25.6065

■ 25.9562, 27.8342,
30.2875

■ 29.0650, 32.7143,
35.4470

Harmonies

Analogous

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



12.0664, 6.9894, 12.0533



12.1747, 6.9894, 4.9824



10.5701, 6.9894, 1.6959

Triad

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



12.1747, 6.9894, 4.9824



3.9728, 6.9894, 1.4957



5.4082, 6.9894, 28.3549

Complementary

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



12.1747, 6.9894, 4.9824



12.9865, 20.2720, 18.8532

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.



3.8338, 6.9894, 20.6032



12.1747, 6.9894, 4.9824



3.1512, 6.9894, 4.4202

Square

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



12.1747, 6.9894, 4.9824



5.6478, 6.9894, 0.6092



3.1073, 6.9894, 11.0299



7.7492, 6.9894, 28.8573

Rectangle

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



12.1747, 6.9894, 4.9824



8.9262, 6.9894, 0.8755



3.1073, 6.9894, 11.0299



4.7870, 6.9894, 26.3662

Sweetspot

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



12.1749, 6.9898, 4.9825



33.8578, 30.6128, 32.9423



11.8923, 6.3915, 25.4178



7.5363, 6.6482, 7.1167



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



12.1749, 6.9898, 4.9825



19.9577, 10.4476, 4.7714



12.6015, 8.7086, 2.4561



5.0813, 5.0680, 5.5165



9.8907, 5.0664, 1.9290



0.0709, 0.0357, 0.0401

Inverse Universe

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



12.1749, 6.9898, 4.9825



19.9577, 10.4476, 4.7714



11.4958, 14.4863, 27.0011



5.0813, 5.0680, 5.5165



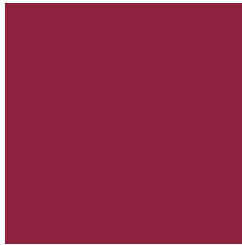
9.8907, 5.0664, 1.9290



0.0709, 0.0357, 0.0401

Previews

White Background



This preview shows how the XYZ color 12.1747, 6.9894, 4.9824 looks on a white background.

Color Contrast Check

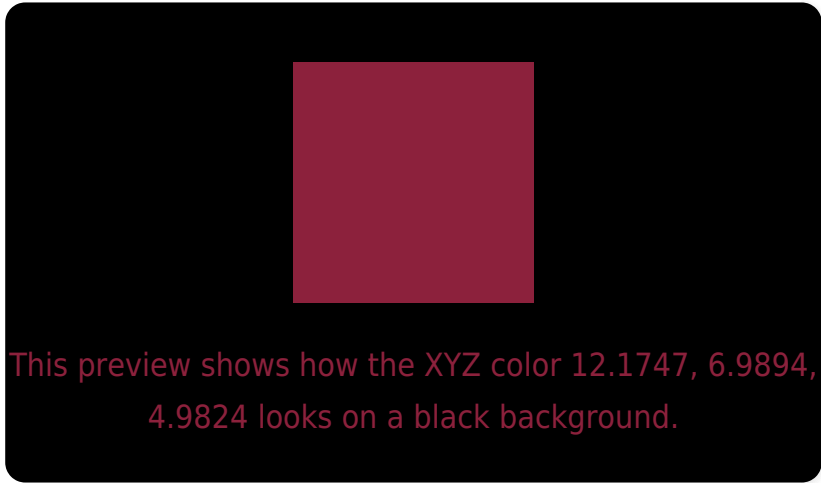
Large Text (above 18pt) WCAG AA ✓ Pass

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

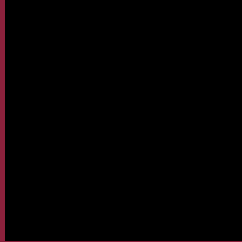
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.1747, 6.9894, 4.9824

Background



This preview shows how black text looks on a background with the XYZ color 12.1747, 6.9894, 4.9824.



This preview shows how white text looks on a background with the XYZ color 12.1747, 6.9894,

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

12.1747, 6.9894, 4.9824

Protanopia

7.0501, 7.2995, 8.8219

Deuteranopia

7.2886, 7.2146, 4.6228



Tritanopia

11.7068, 7.0217, 2.6578

Trichromacy



Original Color

12.1747, 6.9894, 4.9824

Protanomaly

7.9640, 6.3654, 7.1122

Deuteranomaly

8.4359, 6.5097, 4.6828

Tritanomaly

11.7914, 6.9560, 3.4105

Monochromacy



Original Color

12.1747, 6.9894, 4.9824

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

6.9364, 5.4937, 5.6958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1747, 6.9894, 4.9824 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(140, 33, 60)` looks like.

```
.text, #text, p{  
    color:rgb(140, 33, 60)  
}
```

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(140, 33, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 33, 60) }
```

Border

The CSS property to change the border of an element to XYZ 12.1747, 6.9894, 4.9824 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(140, 33, 60) }
```


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

```
.border{ border-color:rgb(140, 33, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 33, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 33, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 33, 60);  
box-shadow:4px 4px 4px 4px rgb(140, 33,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1747, 6.9894, 4.9824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 33, 60) }
```

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

```
.background{ background-color: rgb(140, 33,  
60) }
```

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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