

Converting Colors

XYZ(12.6307, 9.6755, 1.2018)

Have a look what the booklet for
XYZ(12.6307, 9.6755, 1.2018)
contains.

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Color

**XYZ(12.6094, 9.6595,
1.1999)**

Conversions

Conversions Part 1

Format	Color
Hex	8A4500
RGB	138, 69, 0
RGB Percent	54%, 27%, 0%
CMY	0.4588, 0.7294, 1.0000
CMYK	0.00, 0.50, 1.00, 0.46
HSL	30°, 100%, 27%
HSV	30°, 100%, 54%
XYZ	12.6094, 9.6595, 1.1999
YIQ	81.7650, 63.2730, -6.8310

Conversions

Conversions Part 2

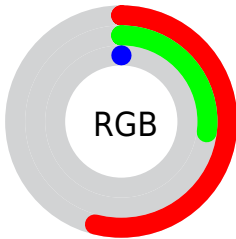
Format	Color
RYB	138, 138, 0
Decimal	9061632
CIELab	37.22, 25.59, 47.26
CIELCh	37, 53.745, 61.562
Yxy	9.6595, 0.5373, 0.4116
Android (android.graphics.Color)	4287251712 (0xFF8A4500)
YUV	81.7650, -40.3101, 49.3181
Hunter-Lab	31.0797, 18.0299, 19.4668

Details

The XYZ color **12.6094, 9.6595, 1.1999** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **6.7155, 6.0911, 24.8665**, and the grayscale version is **8.0426, 8.4614, 9.2145**.

A 20% lighter version of the original color is **30.1702, 25.0935, 6.7434**, and **3.6997, 2.3621, 0.2609** is the 20% darker color. If you saturate the color by 10%, you get **12.6095, 9.6598, 1.1999**, and if you desaturate by 10%, it is **13.1370, 10.5901, 1.7602**.

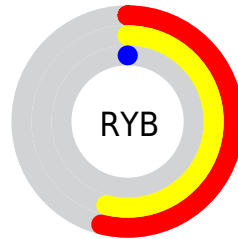
Distribution



Red (54%)

Green (27%)

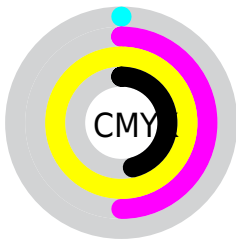
Blue (0%)



Red (54%)

Yellow (54%)

Blue (0%)

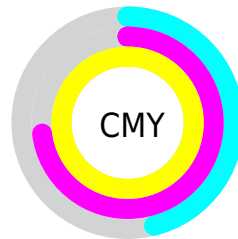


Cyan (0%)

Magenta (50%)

Yellow (100%)

Black (46%)



Cyan (46%)

Magenta (73%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6094, 9.6595, 1.1999 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 12.6094, 9.6595, 1.1999 by changing the saturation by 10% instead.

12.6094, 9.6595,
1.1999

12.6094, 9.6595,
1.1999

202.0876,
188.2243, 108.3597

7.2353, 5.1738,
0.0000

30.2076, 25.1531,
6.7077

3.6573, 2.3496,
0.0000

43.1623, 36.9297,
12.1286

1.5101, 0.7998,
0.0000

59.3747, 51.9054,
19.8856

0.3327, 0.0000,
0.0000


79.2099, 70.4646,
30.3971

0.0000, 0.0000,
0.0000


103.0335, 92.9917,
44.0817


131.2107,


119.8711, 61.3580


 164.1070,
151.4872, 82.6445


 12.6094, 9.6595,
1.1999


 12.6094, 9.6595,
1.1999


 12.6095, 9.6598,
1.1999

 13.1370, 10.5901,
1.7602

 13.7644, 11.6417,
2.5955

 14.5197, 12.8286,
3.8458

 15.4138, 14.1573,
5.5603

 16.4559, 15.6338,
7.7811

■ 17.6544, 17.2637,
10.5456

■ 19.0170, 19.0521,
13.8876

■ 20.5507, 21.0039,
17.8382

■ 22.2622, 23.1236,
22.4262

Harmonies

Analogous

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



15.8496, 9.6595, 3.5072



12.6094, 9.6595, 1.1999



9.0064, 9.6595, 0.7309

Triad

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



12.6094, 9.6595, 1.1999



4.1235, 9.6595, 11.0292



12.9894, 9.6595, 35.4285

Complementary

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



12.6094, 9.6595, 1.1999



6.7155, 6.0911, 24.8665

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.



9.3580, 9.6595, 41.9156



12.6094, 9.6595, 1.1999



4.7075, 9.6595, 23.4580

Square

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



12.6094, 9.6595, 1.1999



4.5957, 9.6595, 3.9436



6.4383, 9.6595, 36.5722



16.1040, 9.6595, 22.0004

Rectangle

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



12.6094, 9.6595, 1.1999



7.0081, 9.6595, 0.9928



6.4383, 9.6595, 36.5722



11.7624, 9.6595, 38.7648

Sweetspot

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



12.6096, 9.6600, 1.2001



33.3573, 33.3713, 24.0685



11.5555, 5.8330, 6.1473



7.2801, 7.2224, 4.8970



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.6096, 9.6600, 1.2001



22.0685, 16.7112, 2.0624



19.5697, 23.5802, 3.5201



5.2259, 5.4347, 5.3260



11.5758, 8.8859, 1.1050



0.0915, 0.0883, 0.0122

Inverse Universe

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



6.7155, 6.0911, 24.8665



11.6791, 10.4204, 43.7789



4.5875, 1.8351, 24.1571



4.9677, 5.2783, 6.3628



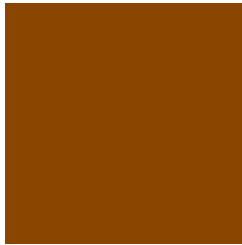
6.1717, 5.6137, 22.8040



0.0556, 0.0665, 0.1564

Previews

White Background



This preview shows how the XYZ color 12.6094, 9.6595, 1.1999 looks on a white background.

Color Contrast Check

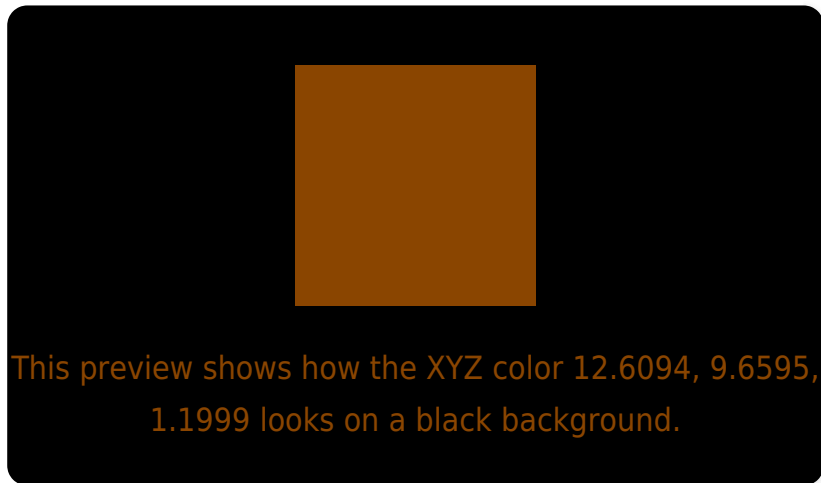
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.6094, 9.6595, 1.1999

Background



This preview shows how black text looks on a background with the XYZ color 12.6094, 9.6595, 1.1999.



This preview shows how white text looks on a background with the XYZ color 12.6094, 9.6595,

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

12.6094, 9.6595, 1.1999

Protanopia

8.8943, 9.8806, 1.7862

Deuteranopia

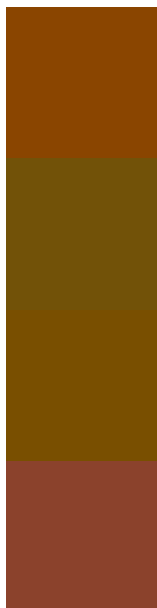
9.8524, 9.7854, 1.3695



Tritanopia

13.7228, 9.6719, 6.7738

Trichromacy



Original Color

12.6094, 9.6595, 1.1999

Protanomaly

10.0006, 9.6295, 1.5613

Deuteranomaly

10.6811, 9.6569, 1.3010

Tritanomaly

13.0503, 9.5672, 3.5417

Monochromacy



Original Color

12.6094, 9.6595, 1.1999

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

8.7532, 8.3805, 4.4051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6094, 9.6595, 1.1999 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(138, 69, 0)` looks like.

```
.text, #text, p{  
    color:rgb(138, 69, 0)  
}
```

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(138, 69, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 69, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.6094, 9.6595, 1.1999 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(138, 69, 0) }
```


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

```
.border{ border-color:rgb(138, 69, 0) }
```

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

Here you see how a box with a 4 pixel rgb(138, 69, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 69, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 69, 0);  
box-shadow:4px 4px 4px 4px rgb(138, 69, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.6094, 9.6595, 1.1999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 69, 0) }
```

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

```
.background{ background-color: rgb(138, 69,  
0) }
```

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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