

Converting Colors

XYZ(12.4473, 6.6562, 1.0729)

Have a look what the booklet for
XYZ(12.4473, 6.6562, 1.0729)
contains.

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Color

**XYZ(12.4698, 6.6720,
1.0825)**

Conversions

Conversions Part 1

Format	Color
Hex	940F0F
RGB	148, 15, 15
RGB Percent	58%, 6%, 6%
CMY	0.4196, 0.9411, 0.9412
CMYK	0.00, 0.90, 0.90, 0.42
HSL	0°, 82%, 32%
HSV	0°, 90%, 58%
XYZ	12.4698, 6.6720, 1.0825
YIQ	54.7670, 79.2680, 28.1960

Conversions

Conversions Part 2

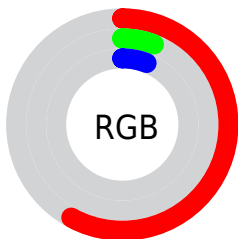
Format	Color
R_{YB}	148, 15, 15
Decimal	9703183
CIE _{Lab}	31.05, 51.27, 38.11
CIE _{LCh}	31, 63.884, 36.626
Yxy	6.6720, 0.6166, 0.3299
Android (android.graphics.Color)	4287893263 (0xFF940F0F)
YUV	54.7670, -19.6051, 81.7653
Hunter-Lab	25.8302, 40.9698, 15.5964

Details

The XYZ color **12.4698, 6.6720, 1.0825** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **16.1298, 23.4147, 31.6862**, and the grayscale version is **3.6198, 3.8083, 4.1472**.

A 20% lighter version of the original color is **30.0216, 19.3252, 6.2855**, and **4.0245, 2.0747, 0.1883** is the 20% darker color. If you saturate the color by 10%, you get **12.2161, 6.3010, 0.5781**, and if you desaturate by 10%, it is **12.9040, 7.3077, 1.9453**.

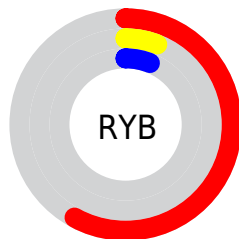
Distribution



Red (58%)

Green (6%)

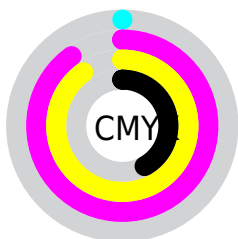
Blue (6%)



Red (58%)

Yellow (6%)

Blue (6%)

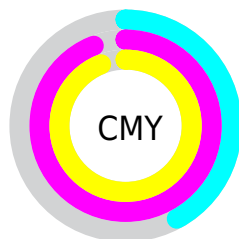


Cyan (0%)

Magenta (90%)

Yellow (90%)

Black (42%)



Cyan (42%)


Magenta (94%)


Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 12.4698, 6.6720, 1.0825 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 12.4698, 6.6720, 1.0825 by changing the saturation by 10% instead.


 12.4698, 6.6720,
1.0825


 12.4698, 6.6720,
1.0825


 201.1982,
164.9098, 105.9334


 7.1389, 3.2578,
0.0000


 29.9574, 19.3103,
6.3324


 3.5963, 1.2678,
0.0000

 42.8449, 29.3031,
11.5697


 1.4764, 0.1160,
0.0000

 58.9819, 42.2577,
19.1065

 0.3097, 0.0000,
0.0000

 78.7339, 58.5584,
29.3615


 0.0000, 0.0000,
0.0000


 102.4661, 78.5895,
42.7531


 130.5440,


102.7355, 59.6999


 163.3329,
131.3808, 80.6205

 12.4698, 6.6720,
1.0825


 12.4698, 6.6720,
1.0825


 12.2161, 6.3010,
0.5781


 12.9040, 7.3077,
1.9453

 12.2129, 6.2962,
0.5716

 13.6023, 8.3295,
3.3332

 14.5976, 9.7860,
5.3117

 15.9181, 11.7183,
7.9368

 17.5887, 14.1629,
11.2578

■ 19.6319, 17.1526,
15.3194

■ 22.0681, 20.7175,
20.1627

■ 24.9165, 24.8855,
25.8254

■ 28.1950, 29.6827,
32.3431

Harmonies

Analogous

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



14.3518, 6.6720, 5.4587



12.4698, 6.6720, 1.0825



9.0288, 6.6720, 0.0000

Triad

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



12.4698, 6.6720, 1.0825



2.2777, 6.6720, 2.3612



7.0585, 6.6720, 41.1294

Complementary

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



12.4698, 6.6720, 1.0825



16.1298, 23.4147, 31.6862

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.



4.2486, 6.6720, 37.1545



12.4698, 6.6720, 1.0825



2.0569, 6.6720, 9.4306

Square

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



12.4698, 6.6720, 1.0825



3.3960, 6.6720, 0.1581



2.6453, 6.6720, 23.0690



10.6310, 6.6720, 31.5802

Rectangle

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



12.4698, 6.6720, 1.0825



6.7008, 6.6720, 0.0000



2.6453, 6.6720, 23.0690



5.9953, 6.6720, 41.3996

Sweetspot

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



12.4699, 6.6724, 1.0826



35.5763, 31.6357, 28.8926



17.7288, 8.7756, 28.7763



7.8414, 6.8122, 6.0392



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.



12.4699, 6.6724, 1.0826



21.5490, 11.1093, 1.0085



15.2786, 12.2898, 2.0188



5.8009, 5.8155, 6.0572



10.4318, 5.3781, 0.4882



0.1277, 0.0658, 0.0060

Inverse Universe

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



16.1298, 23.4147, 31.6862



28.1122, 41.1340, 55.8926



8.5220, 8.1991, 29.1503



5.9641, 6.5621, 7.4220



13.6090, 19.9129, 27.0573



0.1666, 0.2438, 0.3312

Previews

White Background



This preview shows how the XYZ color 12.4698, 6.6720, 1.0825 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 12.4698, 6.6720, 1.0825

Background



This preview shows how black text looks on a background with the XYZ color 12.4698, 6.6720, 1.0825.



This preview shows how white text looks on a background with the XYZ color 12.4698, 6.6720,

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

12.4698, 6.6720, 1.0825

Protanopia

6.4502, 7.1375, 2.1363

Deuteranopia

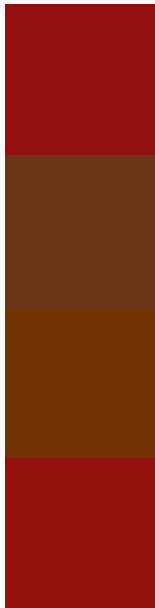
7.0367, 7.0676, 0.9933



Tritanopia

12.4528, 6.6884, 0.9218

Trichromacy



Original Color

12.4698, 6.6720, 1.0825

Protanomaly

7.5372, 5.8260, 1.5379

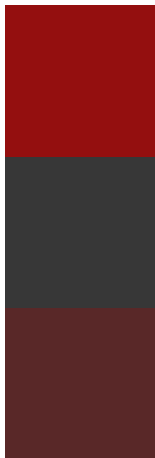
Deuteranomaly

8.1506, 5.9560, 0.8636

Tritanomaly

12.4644, 6.6930, 0.9828

Monochromacy



Original Color

12.4698, 6.6720, 1.0825

Achromatopsia

3.6313, 3.8204, 4.1605

Achromatomaly

5.2616, 3.7946, 2.4626

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4698, 6.6720, 1.0825 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(148, 15, 15)` looks like.

```
.text, #text, p{  
    color:rgb(148, 15, 15)  
}
```

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(148, 15, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 15, 15) }
```

Border

The CSS property to change the border of an element to XYZ 12.4698, 6.6720, 1.0825 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(148, 15, 15) }
```


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

```
.border{ border-color:rgb(148, 15, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 15, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 15, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 15, 15);  
box-shadow:4px 4px 4px 4px rgb(148, 15,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4698, 6.6720, 1.0825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 15, 15) }
```

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

```
.background{ background-color: rgb(148, 15,  
15) }
```

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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