

Converting Colors

XYZ(12.2958, 6.7779, 1.3697)

Have a look what the booklet for
XYZ(12.2958, 6.7779, 1.3697)
contains.

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Color

**XYZ(12.2958, 6.7779,
1.3697)**

Conversions

Conversions Part 1

Format	Color
Hex	921715
RGB	146, 23, 21
RGB Percent	57%, 9%, 8%
CMY	0.4275, 0.9098, 0.9176
CMYK	0.00, 0.84, 0.86, 0.43
HSL	1°, 75%, 33%
HSV	1°, 86%, 57%
XYZ	12.2958, 6.7779, 1.3697
YIQ	59.5490, 73.9500, 25.4540

Conversions

Conversions Part 2

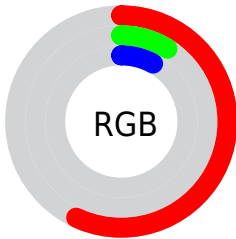
Format	Color
R_{YB}	146, 23, 21
Decimal	9574165
CIE Lab	31.30, 49.02, 35.03
CIE LCh	31, 60.247, 35.553
Yxy	6.7779, 0.6015, 0.3315
Android (android.graphics.Color)	4287764245 (0xFF921715)
YUV	59.5490, -19.0047, 75.8175
Hunter-Lab	26.0344, 38.7437, 15.1048

Details

The XYZ color **12.2958, 6.7779, 1.3697** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **15.4692, 22.1781, 30.6594**, and the grayscale version is **4.2514, 4.4728, 4.8709**.

A 20% lighter version of the original color is **29.6287, 19.5319, 7.2095**, and **3.8378, 1.9784, 0.1796** is the 20% darker color. If you saturate the color by 10%, you get **11.9829, 6.3127, 0.7707**, and if you desaturate by 10%, it is **12.8397, 7.5826, 2.4241**.

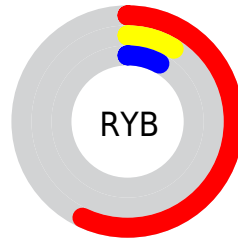
Distribution



Red (57%)

Green (9%)

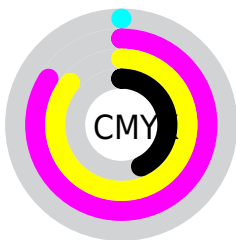
Blue (8%)



Red (57%)

Yellow (9%)

Blue (8%)

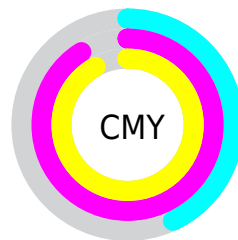


Cyan (0%)

Magenta (84%)

Yellow (86%)

Black (43%)



Cyan (43%)

Magenta (91%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2958, 6.7779, 1.3697 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 12.2958, 6.7779, 1.3697 by changing the saturation by 10% instead.

■ 12.2958, 6.7779,
1.3697

■ 12.2958, 6.7779,
1.3697

■ 200.0840,
165.8052, 111.6609

■ 7.0191, 3.3236,
0.1179

■ 29.6449, 19.5250,
7.2323

■ 3.5205, 1.3029,
0.0000

■ 42.4480, 29.5866,
12.9036

■ 1.4346, 0.1435,
0.0000

■ 58.4907, 42.6194,
20.9598

■ 0.2807, 0.0000,
0.0000


■ 78.1382, 59.0077,
31.8192


■ 0.0000, 0.0000,
0.0000


■ 101.7559, 79.1361,
45.9005


■ 129.7092,

103.3889, 63.6222

 162.3635,
132.1505, 85.4028


 12.2958, 6.7779,
1.3697


 12.2958, 6.7779,
1.3697


 11.9829, 6.3127,
0.7707


 12.8397, 7.5826,
2.4241

 11.8794, 6.1619,
0.5633

 13.6505, 8.7759,
4.0149

 14.7568, 10.3992,
6.2003

 16.1832, 12.4880,
9.0313

 17.9519, 15.0742,
12.5533

■ 20.0831, 18.1869,
16.8075

■ 22.5952, 21.8531,
21.8320

■ 25.5058, 26.0977,
27.6622

■ 28.8309, 30.9443,
34.3314

Harmonies

Analogous

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



13.9630, 6.7779, 5.9077



12.2958, 6.7779, 1.3697



9.1068, 6.7779, 0.0000

Triad

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



12.2958, 6.7779, 1.3697



2.5161, 6.7779, 2.4693



7.0108, 6.7779, 38.5672

Complementary

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



12.2958, 6.7779, 1.3697



15.4692, 22.1781, 30.6594

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.



4.3557, 6.7779, 34.5314



12.2958, 6.7779, 1.3697



2.2656, 6.7779, 9.0785

Square

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



12.2958, 6.7779, 1.3697



3.6592, 6.7779, 0.3456



2.8231, 6.7779, 21.5619



10.3665, 6.7779, 30.2902

Rectangle

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



12.2958, 6.7779, 1.3697



6.8953, 6.7779, 0.0000



2.8231, 6.7779, 21.5619



6.0094, 6.7779, 38.6501

Sweetspot

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



12.2959, 6.7783, 1.3698



35.0595, 31.5445, 28.9121



17.3104, 8.7226, 27.9652



7.5324, 6.6276, 5.8987



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



12.2959, 6.7783, 1.3698



20.9449, 10.8464, 0.9896



15.1210, 12.4284, 2.3115



5.8078, 5.8294, 6.0596



10.4557, 5.4258, 0.4962



0.1295, 0.0694, 0.0066

Inverse Universe

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



15.4692, 22.1781, 30.6594



26.6413, 38.6382, 54.0273



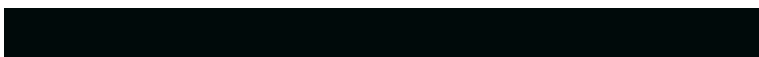
8.6292, 8.4981, 28.3794



5.9562, 6.5464, 7.4194



13.2977, 19.2901, 26.9535



0.1648, 0.2402, 0.3306

Previews

White Background



This preview shows how the XYZ color 12.2958, 6.7779, 1.3697 looks on a white background.

Color Contrast Check

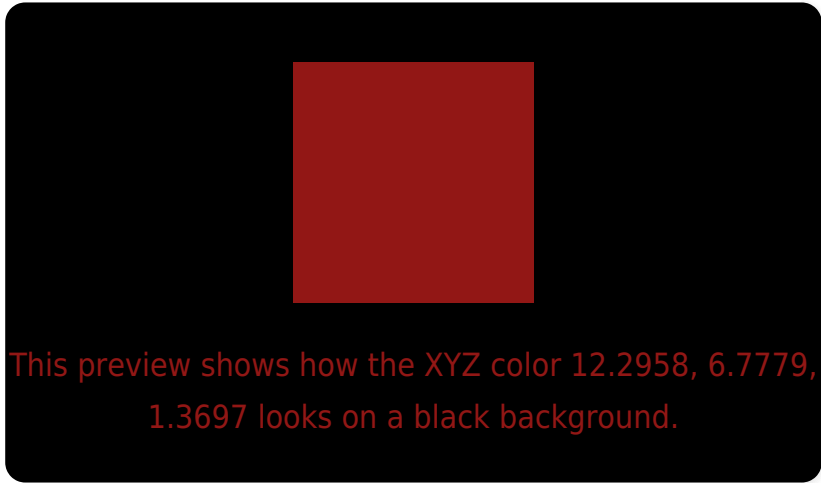
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2958, 6.7779, 1.3697

Background



This preview shows how black text looks on a background with the XYZ color 12.2958, 6.7779, 1.3697.



This preview shows how white text looks on a background with the XYZ color 12.2958, 6.7779,

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

12.2958, 6.7779, 1.3697

Protanopia

6.5151, 7.1635, 2.4782

Deuteranopia

7.1412, 7.1215, 0.9982



Tritanopia

12.2958, 6.7779, 1.3697

Trichromacy



Original Color

12.2958, 6.7779, 1.3697

Protanomaly

7.7483, 6.1408, 1.9393

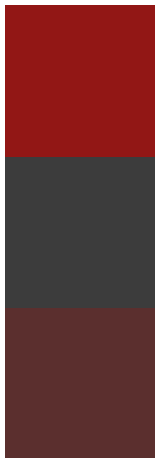
Deuteranomaly

8.3024, 6.2333, 0.9953

Tritanomaly

12.2958, 6.7779, 1.3697

Monochromacy



Original Color

12.2958, 6.7779, 1.3697

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

5.8240, 4.4544, 3.1376

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2958, 6.7779, 1.3697 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(146, 23, 21)` looks like.

```
.text, #text, p{  
    color:rgb(146, 23, 21)  
}
```

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(146, 23, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 23, 21) }
```

Border

The CSS property to change the border of an element to XYZ 12.2958, 6.7779, 1.3697 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(146, 23, 21) }
```


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

```
.border{ border-color:rgb(146, 23, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 23, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 23, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 23, 21);  
box-shadow:4px 4px 4px 4px rgb(146, 23,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2958, 6.7779, 1.3697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 23, 21) }
```

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

```
.background{ background-color: rgb(146, 23,  
21) }
```

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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