

Converting Colors

XYZ(11.8869, 7.6654, 0.0000)

Have a look what the booklet for
XYZ(11.8869, 7.6654, 0.0000)
contains.

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Color

**XYZ(12.0010, 7.6958,
0.8529)**

Conversions

Conversions Part 1

Format	Color
Hex	8D2F00
RGB	141, 47, 0
RGB Percent	55%, 18%, 0%
CMY	0.4471, 0.8157, 1.0000
CMYK	0.00, 0.67, 1.00, 0.45
HSL	20°, 100%, 28%
HSV	20°, 100%, 55%
XYZ	12.0010, 7.6958, 0.8529
YIQ	69.7480, 71.1110, 5.3110

Conversions

Conversions Part 2

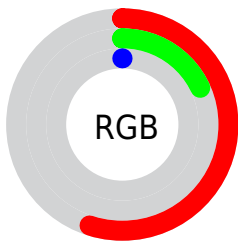
Format	Color
RYB	141, 71, 0
Decimal	9252608
CIELab	33.34, 38.16, 45.29
CIELCh	33, 59.221, 49.879
Yxy	7.6958, 0.5840, 0.3745
Android (android.graphics.Color)	4287442688 (0xFF8D2F00)
YUV	69.7480, -34.3858, 62.4880
Hunter-Lab	27.7413, 28.6725, 17.5961

Details

The XYZ color **12.0010, 7.6958, 0.8529** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **8.8097, 9.9272, 26.6508**, and the grayscale version is **5.8271, 6.1306, 6.6762**.

A 20% lighter version of the original color is **29.0308, 21.3832, 5.6149**, and **3.4797, 1.7938, 0.1628** is the 20% darker color. If you saturate the color by 10%, you get **12.0011, 7.6962, 0.8530**, and if you desaturate by 10%, it is **12.4983, 8.5625, 1.4131**.

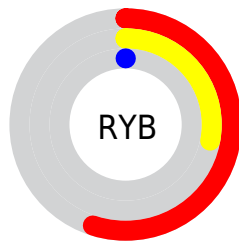
Distribution



Red (55%)

Green (18%)

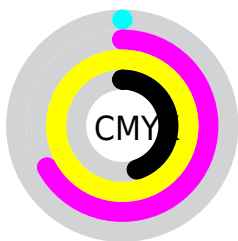
Blue (0%)



Red (55%)

Yellow (28%)

Blue (0%)

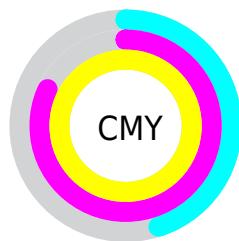


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (45%)



Cyan (45%)


Magenta (82%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 12.0010, 7.6958, 0.8529 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 12.0010, 7.6958, 0.8529 by changing the saturation by 10% instead.


 12.0010, 7.6958,
0.8529


 12.0010, 7.6958,
0.8529


 198.1817,
173.3262, 100.8541


 6.8166, 3.9009,
0.0000


 29.1138, 21.3599,
5.5755


 3.3930, 1.6183,
0.0000

 41.7728, 31.9979,
10.4297


 1.3648, 0.3699,
0.0000

 57.6541, 45.6857,
17.5054

 0.2309, 0.0000,
0.0000


 77.1230, 62.8078,
27.2210


 0.0000, 0.0000,
0.0000


 100.5448, 83.7485,
39.9951


 128.2850,


108.8922, 56.2463


 160.7088,
138.6233, 76.3931


 12.0010, 7.6958,
0.8529


 12.0010, 7.6958,
0.8529


 12.0011, 7.6962,
0.8530

 12.4983, 8.5625,
1.4131

 13.1333, 9.6212,
2.2761

 13.9377, 10.8920,
3.5866

 14.9254, 12.3870,
5.3972

 16.1087, 14.1172,
7.7534

■ 17.4986, 16.0930,
10.6953

■ 19.1052, 18.3239,
14.2593

■ 20.9380, 20.8189,
18.4788

■ 23.0058, 23.5867,
23.3847

Harmonies

Analogous

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



14.6970, 7.6958, 3.7264



12.0010, 7.6958, 0.8529



8.4418, 7.6958, 0.0000

Triad

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



12.0010, 7.6958, 0.8529



2.7976, 7.6958, 5.6651



9.5953, 7.6958, 37.9610

Complementary

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



12.0010, 7.6958, 0.8529



8.8097, 9.9272, 26.6508

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.



6.2925, 7.6958, 40.1096



12.0010, 7.6958, 0.8529



2.9417, 7.6958, 15.8495

Square

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



12.0010, 7.6958, 0.8529



3.5664, 7.6958, 1.4048



4.0414, 7.6958, 30.1485



13.0527, 7.6958, 25.4715

Rectangle

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



12.0010, 7.6958, 0.8529



6.3156, 7.6958, 0.0000



4.0414, 7.6958, 30.1485



8.4138, 7.6958, 40.1461

Sweetspot

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



12.0012, 7.6963, 0.8530



34.0176, 32.5442, 25.0907



13.0047, 6.4708, 11.1532



7.3524, 6.9298, 5.0541



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.



12.0012, 7.6963, 0.8530



21.3514, 13.5009, 1.4806



17.4040, 18.5019, 2.6540



5.5466, 5.6996, 5.6972



10.9564, 7.0444, 0.7822



0.1234, 0.1047, 0.0137

Inverse Universe

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



8.8097, 9.9272, 26.6508



15.6175, 17.4592, 47.6747



5.1241, 2.5559, 25.4222



5.4108, 5.8175, 6.8665



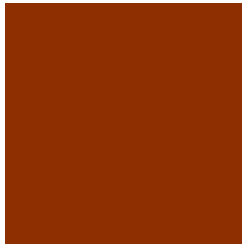
8.0478, 9.0816, 24.3058



0.0973, 0.1275, 0.2392

Previews

White Background



This preview shows how the XYZ color 12.0010, 7.6958, 0.8529 looks on a white background.

Color Contrast Check

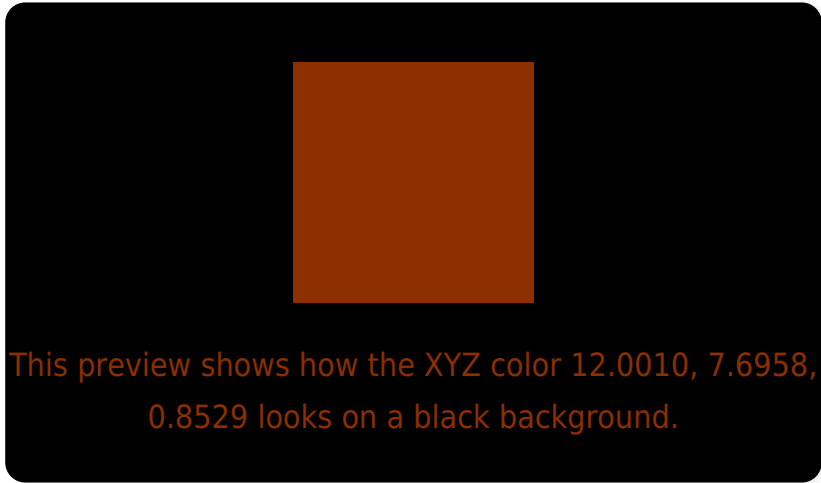
Large Text (above 18pt) WCAG AA ✓ Pass

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

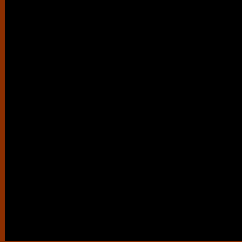
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.0010, 7.6958, 0.8529

Background



This preview shows how black text looks on a background with the XYZ color 12.0010, 7.6958, 0.8529.



This preview shows how white text looks on a background with the XYZ color 12.0010, 7.6958,

0.8529.

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

12.0010, 7.6958, 0.8529

Protanopia

7.1713, 7.9455, 1.6076

Deuteranopia

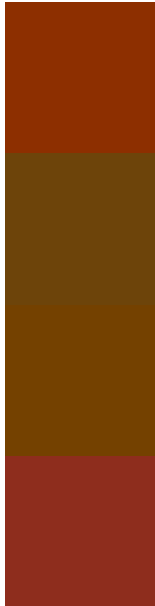
7.9513, 7.9356, 1.1126



Tritanopia

12.5492, 7.7494, 3.4191

Trichromacy



Original Color

12.0010, 7.6958, 0.8529

Protanomaly

8.4286, 7.4074, 1.2727

Deuteranomaly

9.0928, 7.4936, 0.9672

Tritanomaly

12.3155, 7.7163, 2.0027

Monochromacy



Original Color

12.0010, 7.6958, 0.8529

Achromatopsia

5.8214, 6.1246, 6.6697

Achromatomaly

7.0201, 6.1215, 3.2942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0010, 7.6958, 0.8529 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(141, 47, 0)` looks like.

```
.text, #text, p{  
    color:rgb(141, 47, 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(141, 47, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 47, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.0010, 7.6958, 0.8529 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(141, 47, 0) }
```


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

```
.border{ border-color:rgb(141, 47, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 47, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 47, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 47, 0);  
box-shadow:4px 4px 4px 4px rgb(141, 47, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.0010, 7.6958, 0.8529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 47, 0) }
```

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

```
.background{ background-color: rgb(141, 47,  
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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