

Converting Colors

XYZ(12.8286, 6.9173, 0.0000)

Have a look what the booklet for
XYZ(12.8286, 6.9173, 0.0000)
contains.

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Color

**XYZ(12.9629, 6.9802,
0.6641)**

Conversions

Conversions Part 1

Format	Color
Hex	971100
RGB	151, 17, 0
RGB Percent	59%, 7%, 0%
CMY	0.4078, 0.9333, 1.0000
CMYK	0.00, 0.89, 1.00, 0.41
HSL	7°, 100%, 30%
HSV	7°, 100%, 59%
XYZ	12.9629, 6.9802, 0.6641
YIQ	55.1280, 85.3210, 23.1210

Conversions

Conversions Part 2

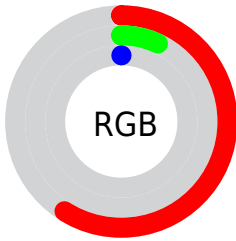
Format	Color
R_{YB}	151, 19, 0
Decimal	9900288
CIE Lab	31.76, 51.50, 45.26
CIE LCh	32, 68.564, 41.312
Yxy	6.9802, 0.6290, 0.3387
Android (android.graphics.Color)	4288090368 (0xFF971100)
YUV	55.1280, -27.1781, 84.0797
Hunter-Lab	26.4201, 41.3452, 17.0037

Details

The XYZ color **12.9629, 6.9802, 0.6641** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **14.1086, 19.2799, 32.2556**, and the grayscale version is **3.6744, 3.8657, 4.2098**.

A 20% lighter version of the original color is **30.6985, 19.8083, 5.0017**, and **4.2164, 2.1737, 0.1973** is the 20% darker color. If you saturate the color by 10%, you get **12.9630, 6.9806, 0.6642**, and if you desaturate by 10%, it is **13.3241, 7.5637, 1.2134**.

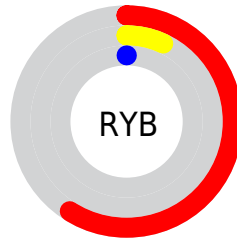
Distribution



Red (59%)

Green (7%)

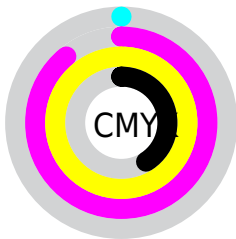
Blue (0%)



Red (59%)

Yellow (7%)

Blue (0%)

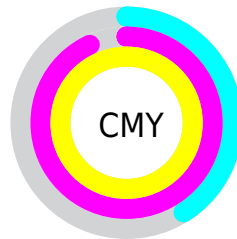


Cyan (0%)

Magenta (89%)

Yellow (100%)

Black (41%)



Cyan (41%)


Magenta (93%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 12.9629, 6.9802, 0.6641 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 12.9629, 6.9802, 0.6641 by changing the saturation by 10% instead.


 12.9629, 6.9802,
0.6641


 12.9629, 6.9802,
0.6641


 204.3222,
167.4991, 96.7209


 7.4798, 3.4497,
0.0000


 30.8390, 19.9334,
4.9891


 3.8129, 1.3708,
0.0000

 43.9627, 30.1248,
9.5333


 1.5969, 0.1950,
0.0000

 60.3641, 43.3054,
16.2334

 0.3904, 0.0000,
0.0000

 80.4084, 59.8596,
25.5079


 0.0000, 0.0000,
0.0000


 104.4610, 80.1716,
37.7754


 132.8872,


104.6259, 53.4543

 166.0525,
133.6069, 72.9633


 12.9629, 6.9802,
0.6641


 12.9629, 6.9802,
0.6641


 12.9630, 6.9806,
0.6642

 13.3241, 7.5637,
1.2134

 13.8930, 8.4615,
2.1428

 14.7154, 9.7182,
3.6133

 15.8171, 11.3667,
5.6910

 17.2205, 13.4360,
8.4326

■ 18.9458, 15.9524,
11.8879

■ 21.0115, 18.9400,
16.1024

■ 23.4344, 22.4211,
21.1175

■ 26.2306, 26.4168,
26.9718

Harmonies

Analogous

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



15.4882, 6.9802, 4.4516



12.9629, 6.9802, 0.6641



8.9932, 6.9802, 0.0000

Triad

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



12.9629, 6.9802, 0.6641



2.1279, 6.9802, 2.9959



8.0215, 6.9802, 45.5501

Complementary

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



12.9629, 6.9802, 0.6641



14.1086, 19.2799, 32.2556

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.



4.7291, 6.9802, 43.4960



12.9629, 6.9802, 0.6641



2.0262, 6.9802, 11.9652

Square

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



12.9629, 6.9802, 0.6641



3.1501, 6.9802, 0.2280



2.7971, 6.9802, 28.2834



12.0431, 6.9802, 32.6368

Rectangle

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



12.9629, 6.9802, 0.6641



6.4839, 6.9802, 0.0000



2.7971, 6.9802, 28.2834



6.7874, 6.9802, 46.7610

Sweetspot

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



12.9630, 6.9806, 0.6642



37.3893, 33.5734, 28.3443



17.1991, 8.3540, 23.9610



8.1583, 7.1402, 5.7463



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



12.9630, 6.9806, 0.6642



23.1454, 12.3614, 1.1661



16.4693, 13.9932, 1.8329



6.2621, 6.3293, 6.4975



11.0398, 5.9620, 0.5689



0.1779, 0.1149, 0.0128

Inverse Universe

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



14.1086, 19.2799, 32.2556



25.1830, 34.3600, 57.7385



7.2228, 5.5081, 29.9603



6.3251, 6.9076, 7.9289



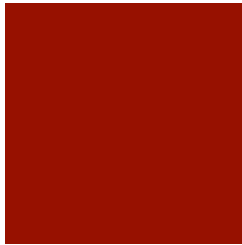
12.0157, 16.4280, 27.4453



0.1943, 0.2750, 0.4152

Previews

White Background



This preview shows how the XYZ color 12.9629, 6.9802, 0.6641 looks on a white background.

Color Contrast Check

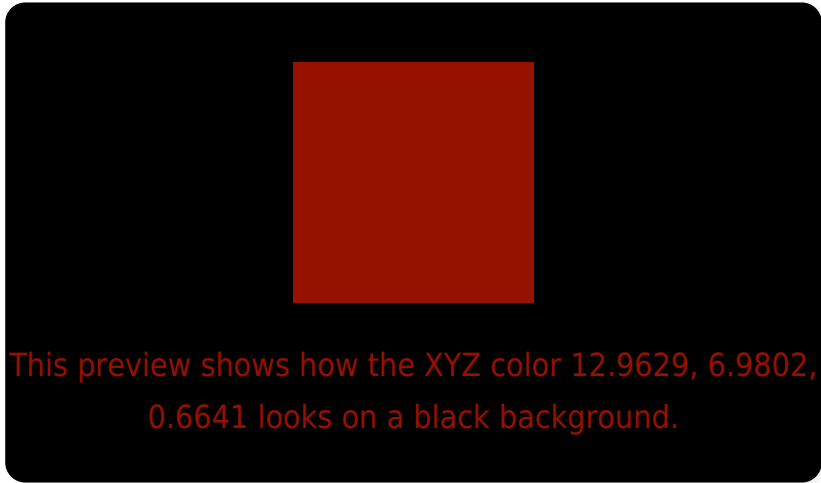
Large Text (above 18pt) WCAG AA ✓ Pass

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

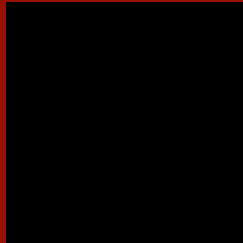
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.9629, 6.9802, 0.6641

Background



This preview shows how black text looks on a background with the XYZ color 12.9629, 6.9802, 0.6641.



This preview shows how white text looks on a background with the XYZ color 12.9629, 6.9802,

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

12.9629, 6.9802, 0.6641

Protanopia

6.7019, 7.3810, 1.6875

Deuteranopia

7.3123, 7.3065, 1.0249



Tritanopia

13.0293, 7.0068, 1.0135

Trichromacy



Original Color

12.9629, 6.9802, 0.6641

Protanomaly

7.8630, 6.0739, 1.1058

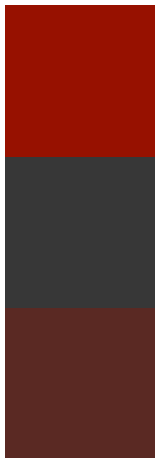
Deuteranomaly

8.6092, 6.3281, 0.7677

Tritanomaly

13.0068, 6.9977, 0.8949

Monochromacy



Original Color

12.9629, 6.9802, 0.6641

Achromatopsia

3.6313, 3.8204, 4.1605

Achromatomaly

5.3128, 3.8809, 2.0592

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9629, 6.9802, 0.6641 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(151, 17, 0)` looks like.

```
.text, #text, p{  
    color:rgb(151, 17, 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(151, 17, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 17, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.9629, 6.9802, 0.6641 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(151, 17, 0) }
```


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

```
.border{ border-color:rgb(151, 17, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 17, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 17, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 17, 0);  
box-shadow:4px 4px 4px 4px rgb(151, 17, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.9629, 6.9802, 0.6641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 17, 0) }
```

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

```
.background{ background-color: rgb(151, 17,  
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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