

Converting Colors

XYZ(12.7359, 8.0457, 0.8817)

Have a look what the booklet for
XYZ(12.7359, 8.0457, 0.8817)
contains.

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Color

**XYZ(12.6936, 8.0528,
0.8853)**

Conversions

Conversions Part 1

Format	Color
Hex	912F00
RGB	145, 47, 0
RGB Percent	57%, 18%, 0%
CMY	0.4314, 0.8157, 1.0000
CMYK	0.00, 0.68, 1.00, 0.43
HSL	19°, 100%, 28%
HSV	19°, 100%, 57%
XYZ	12.6936, 8.0528, 0.8853
YIQ	70.9440, 73.4950, 6.1590

Conversions

Conversions Part 2

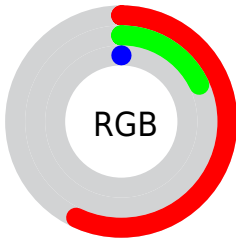
Format	Color
RYB	145, 70, 0
Decimal	9514752
CIELab	34.09, 39.66, 46.12
CIELCh	34, 60.825, 49.306
Yxy	8.0528, 0.5868, 0.3723
Android (android.graphics.Color)	4287704832 (0xFF912F00)
YUV	70.9440, -34.9754, 64.9471
Hunter-Lab	28.3775, 30.1848, 18.0145

Details

The XYZ color **12.6936, 8.0528, 0.8853** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **9.4779, 10.7785, 28.3688**, and the grayscale version is **6.0287, 6.3427, 6.9072**.

A 20% lighter version of the original color is **30.3970, 22.0875, 5.6788**, and **3.8378, 1.9784, 0.1796** is the 20% darker color. If you saturate the color by 10%, you get **12.6937, 8.0532, 0.8854**, and if you desaturate by 10%, it is **13.2132, 8.9599, 1.4665**.

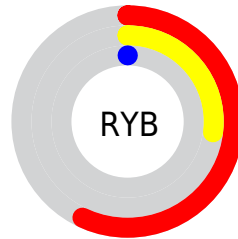
Distribution



Red (57%)

Green (18%)

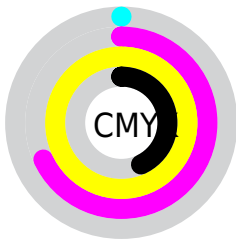
Blue (0%)



Red (57%)

Yellow (27%)

Blue (0%)

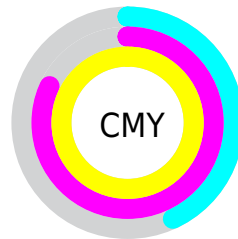


Cyan (0%)

Magenta (68%)

Yellow (100%)

Black (43%)



Cyan (43%)


Magenta (82%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 12.6936, 8.0528, 0.8853 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 12.6936, 8.0528, 0.8853 by changing the saturation by 10% instead.


 12.6936, 8.0528,
0.8853


 12.6936, 8.0528,
0.8853


 202.6221,
176.1455, 101.5750


 7.2934, 4.1288,
0.0000


 30.3582, 22.0619,
5.6805

 3.6942, 1.7458,
0.0000

 43.3534, 32.9157,
10.5890

 1.5307, 0.4531,
0.0000

 59.6110, 46.8483,
17.7301

 0.3465, 0.0000,
0.0000


 79.4963, 64.2439,
27.5225


 0.0000, 0.0000,
0.0000


 103.3747, 85.4871,
40.3846

 131.6116,


110.9621, 56.7350


 164.5723,
141.0535, 76.9923


 12.6936, 8.0528,
0.8853


 12.6936, 8.0528,
0.8853


 12.6937, 8.0532,
0.8854

 13.2132, 8.9599,
1.4665

 13.8825, 10.0760,
2.3756

 14.7347, 11.4227,
3.7621

 15.7848, 13.0134,
5.6830

 17.0463, 14.8605,
8.1868

■ 18.5310, 16.9753,
11.3168

■ 20.2502, 19.3684,
15.1121

■ 22.2139, 22.0498,
19.6084

■ 24.4320, 25.0289,
24.8390

Harmonies

Analogous

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



15.5255, 8.0528, 3.9588



12.6936, 8.0528, 0.8853



8.9181, 8.0528, 0.0000

Triad

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



12.6936, 8.0528, 0.8853



2.8949, 8.0528, 5.7602



9.9979, 8.0528, 40.4467

Complementary

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



12.6936, 8.0528, 0.8853



9.4779, 10.7785, 28.3688

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.



6.5153, 8.0528, 42.4749



12.6936, 8.0528, 0.8853



3.0284, 8.0528, 16.4296

Square

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



12.6936, 8.0528, 0.8853



3.7225, 8.0528, 1.3869



4.1636, 8.0528, 31.6491



13.6805, 8.0528, 27.2423

Rectangle

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



12.6936, 8.0528, 0.8853



6.6549, 8.0528, 0.0000



4.1636, 8.0528, 31.6491



8.7483, 8.0528, 42.6984

Sweetspot

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



12.6938, 8.0533, 0.8854



36.0599, 34.4029, 26.6020



13.9331, 6.9222, 12.4270



7.7563, 7.2855, 5.3258



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.



12.6938, 8.0533, 0.8854



22.5899, 14.1365, 1.5380



18.2046, 19.0749, 2.7224



5.5428, 5.6918, 5.6959



10.9096, 6.9508, 0.7666



0.1227, 0.1032, 0.0135

Inverse Universe

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



9.4779, 10.7785, 28.3688



16.8104, 18.9763, 50.7504



5.4933, 2.8092, 27.0406



5.4149, 5.8256, 6.8678



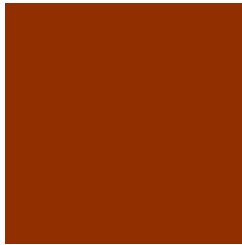
8.1537, 9.2934, 24.3411



0.0980, 0.1290, 0.2394

Previews

White Background



This preview shows how the XYZ color 12.6936, 8.0528, 0.8853 looks on a white background.

Color Contrast Check

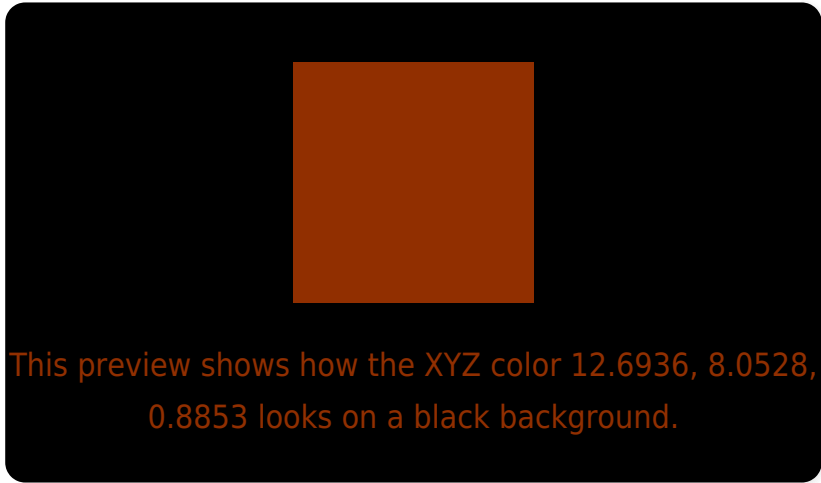
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.6936, 8.0528, 0.8853

Background



This preview shows how black text looks on a background with the XYZ color 12.6936, 8.0528, 0.8853.



This preview shows how white text looks on a background with the XYZ color 12.6936, 8.0528,

0.8853.

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

12.6936, 8.0528, 0.8853

Protanopia

7.5172, 8.3444, 1.6664

Deuteranopia

8.2474, 8.1913, 1.1464



Tritanopia

13.2479, 8.1096, 3.4518

Trichromacy



Original Color

12.6936, 8.0528, 0.8853

Protanomaly

8.7385, 7.6577, 1.3047

Deuteranomaly

9.4194, 7.7480, 0.9991

Tritanomaly

13.0142, 8.0765, 2.0354

Monochromacy



Original Color

12.6936, 8.0528, 0.8853

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

7.2333, 6.2314, 3.3042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6936, 8.0528, 0.8853 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(145, 47, 0)` looks like.

```
.text, #text, p{  
    color:rgb(145, 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(145, 47, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 47, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.6936, 8.0528, 0.8853 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(145, 47, 0) }
```


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

```
.border{ border-color:rgb(145, 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(145, 47, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 47, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 47, 0);  
box-shadow:4px 4px 4px 4px rgb(145, 47, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.6936, 8.0528, 0.8853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 47, 0) }
```

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

```
.background{ background-color: rgb(145, 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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