

Converting Colors

XYZ(11.9352, 8.8351, 0.0000)

Have a look what the booklet for
XYZ(11.9352, 8.8351, 0.0000)
contains.

XYZ(12.0940, 8.8734, 1.0753)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.0940, 8.8734,
1.0753)**

Conversions

Conversions Part 1

Format	Color
Hex	893F00
RGB	137, 63, 0
RGB Percent	54%, 25%, 0%
CMY	0.4627, 0.7529, 1.0000
CMYK	0.00, 0.54, 1.00, 0.46
HSL	28°, 100%, 27%
HSV	28°, 100%, 54%
XYZ	12.0940, 8.8734, 1.0753
YIQ	77.9440, 64.3270, -3.9050

Conversions

Conversions Part 2

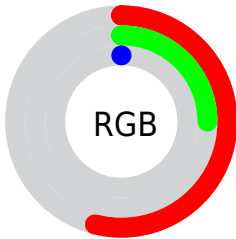
Format	Color
RYB	137, 117, 0
Decimal	8994560
CIELab	35.74, 28.47, 46.30
CIELCh	36, 54.350, 58.409
Yxy	8.8734, 0.5487, 0.4026
Android (android.graphics.Color)	4287184640 (0xFF893F00)
YUV	77.9440, -38.4264, 51.7921
Hunter-Lab	29.7883, 20.3414, 18.7115

Details

The XYZ color **12.0940, 8.8734, 1.0753** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **6.9638, 6.7031, 24.5934**, and the grayscale version is **7.2931, 7.6729, 8.3558**.

A 20% lighter version of the original color is **29.1790, 23.5720, 6.2608**, and **3.4936, 2.0761, 0.2166** is the 20% darker color. If you saturate the color by 10%, you get **12.0941, 8.8738, 1.0754**, and if you desaturate by 10%, it is **12.6092, 9.7803, 1.6281**.

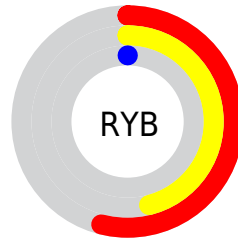
Distribution



Red (54%)

Green (25%)

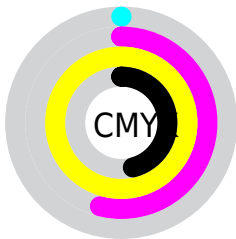
Blue (0%)



Red (54%)

Yellow (46%)

Blue (0%)

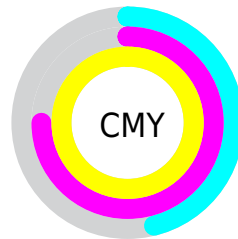


Cyan (0%)

Magenta (54%)

Yellow (100%)

Black (46%)



Cyan (46%)


Magenta (75%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 12.0940, 8.8734, 1.0753 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 12.0940, 8.8734, 1.0753 by changing the saturation by 10% instead.


 12.0940, 8.8734,
1.0753


 12.0940, 8.8734,
1.0753


 198.7838,
182.4306, 105.7802

 6.8804, 4.6587,
0.0000


 29.2816, 23.6537,
6.3090


 3.4331, 2.0484,
0.0000

 41.9862, 34.9881,
11.5347


 1.3867, 0.6354,
0.0000

 57.9186, 49.4645,
19.0576

 0.2467, 0.0000,
0.0000


 77.4441, 67.4673,
29.2964


 0.0000, 0.0000,
0.0000

 100.9280, 89.3810,
42.6695


 128.7357,


115.5898, 59.5954


 161.2325,
146.4782, 80.4928


 12.0940, 8.8734,
1.0753


 12.0940, 8.8734,
1.0753


 12.0941, 8.8738,
1.0754

 12.6092, 9.7803,
1.6281

 13.2294, 10.8203,
2.4527

 13.9830, 12.0082,
3.6880

 14.8808, 13.3514,
5.3823

 15.9326, 14.8567,
7.5773

■ 17.1468, 16.5300,
10.3097

■ 18.5313, 18.3773,
13.6130

■ 20.0934, 20.4039,
17.5175

■ 21.8400, 22.6151,
22.0519

Harmonies

Analogous

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



15.1032, 8.8734, 3.4599



12.0940, 8.8734, 1.0753



8.6062, 8.8734, 0.5097

Triad

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



12.0940, 8.8734, 1.0753



3.6497, 8.8734, 9.1796



11.7209, 8.8734, 35.0055

Complementary

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



12.0940, 8.8734, 1.0753



6.9638, 6.7031, 24.5934

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.



8.2639, 8.8734, 40.2483



12.0940, 8.8734, 1.0753



4.0898, 8.8734, 20.7343

Square

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



12.0940, 8.8734, 1.0753



4.1964, 8.8734, 3.0491



5.5986, 8.8734, 33.8618



14.8522, 8.8734, 22.1793

Rectangle

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



12.0940, 8.8734, 1.0753



6.6326, 8.8734, 0.7027



5.5986, 8.8734, 33.8618



10.5349, 8.8734, 37.9705

Sweetspot

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



12.0942, 8.8739, 1.0754



33.0125, 32.6816, 23.9535



11.5984, 5.8311, 7.2339



7.1960, 7.0542, 4.8689



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.0942, 8.8739, 1.0754



21.4991, 15.5724, 1.8726



18.3189, 21.3233, 3.1504



5.2100, 5.4028, 5.3206



11.2776, 8.2895, 1.0056



0.0893, 0.0838, 0.0115

Inverse Universe

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



6.9638, 6.7031, 24.5934



12.3066, 11.6752, 43.9881



4.5897, 1.9549, 23.8020



4.9837, 5.3104, 6.3682



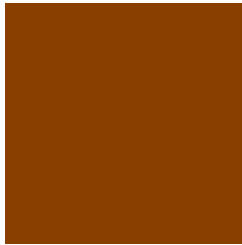
6.4988, 6.2680, 22.9130



0.0578, 0.0710, 0.1571

Previews

White Background



This preview shows how the XYZ color 12.0940, 8.8734, 1.0753 looks on a white background.

Color Contrast Check

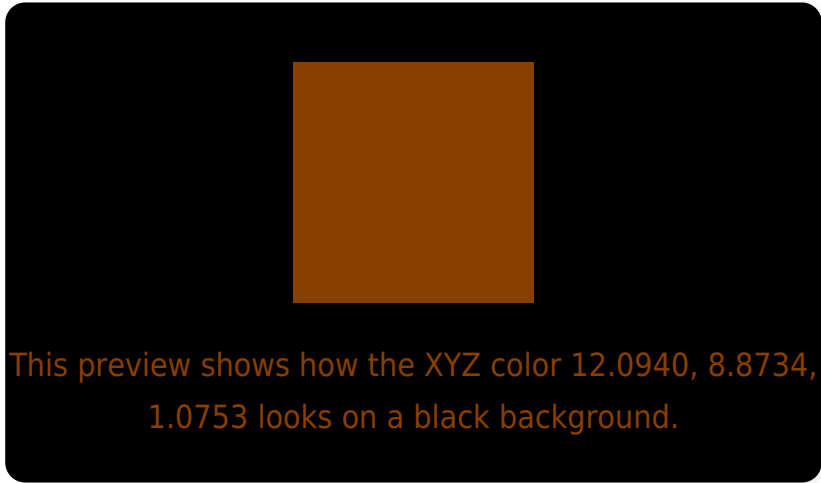
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0940, 8.8734, 1.0753

Background



This preview shows how black text looks on a background with the XYZ color 12.0940, 8.8734, 1.0753.



This preview shows how white text looks on a background with the XYZ color 12.0940, 8.8734,

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

12.0940, 8.8734, 1.0753

Protanopia

8.1450, 9.0129, 1.6911

Deuteranopia

9.0058, 9.0107, 1.2646



Tritanopia

13.0809, 8.9647, 5.5983

Trichromacy



Original Color

12.0940, 8.8734, 1.0753

Protanomaly

9.2533, 8.7048, 1.4222

Deuteranomaly

9.9200, 8.7491, 1.1659

Tritanomaly

12.4633, 8.7815, 2.9576

Monochromacy



Original Color

12.0940, 8.8734, 1.0753

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

8.1039, 7.6480, 4.0667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0940, 8.8734, 1.0753 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(137, 63, 0)` looks like.

```
.text, #text, p{  
    color:rgb(137, 63, 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(137, 63, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 63, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.0940, 8.8734, 1.0753 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(137, 63, 0) }
```


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

```
.border{ border-color:rgb(137, 63, 0) }
```

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

Here you see how a box with a 4 pixel rgb(137, 63, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 63, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 63, 0);  
box-shadow:4px 4px 4px 4px rgb(137, 63, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.0940, 8.8734, 1.0753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 63, 0) }
```

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

```
.background{ background-color: rgb(137, 63,  
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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