

Converting Colors

XYZ(12.0834, 8.0493, 0.9168)

Have a look what the booklet for
XYZ(12.0834, 8.0493, 0.9168)
contains.

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Color

**XYZ(12.0432, 8.0314,
0.9155)**

Conversions

Conversions Part 1

Format	Color
Hex	8C3400
RGB	140, 52, 0
RGB Percent	55%, 20%, 0%
CMY	0.4510, 0.7961, 1.0000
CMYK	0.00, 0.63, 1.00, 0.45
HSL	22°, 100%, 27%
HSV	22°, 100%, 55%
XYZ	12.0432, 8.0314, 0.9155
YIQ	72.3840, 69.1400, 2.4840

Conversions

Conversions Part 2

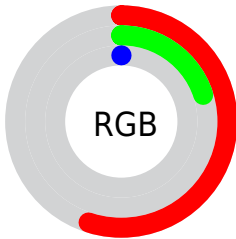
Format	Color
R_{YB}	140, 83, 0
Decimal	9188352
CIE Lab	34.05, 35.41, 45.61
CIE LCh	34, 57.740, 52.176
Yxy	8.0314, 0.5738, 0.3826
Android (android.graphics.Color)	4287378432 (0xFF8C3400)
YUV	72.3840, -35.6853, 59.2992
Hunter-Lab	28.3397, 26.2605, 17.9225

Details

The XYZ color **12.0432, 8.0314, 0.9155** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **8.2231, 8.8724, 26.0899**, and the grayscale version is **6.2776, 6.6045, 7.1923**.

A 20% lighter version of the original color is **29.1465, 22.0124, 5.7302**, and **3.4797, 1.7938, 0.1628** is the 20% darker color. If you saturate the color by 10%, you get **12.0433, 8.0317, 0.9155**, and if you desaturate by 10%, it is **12.5528, 8.9238, 1.4764**.

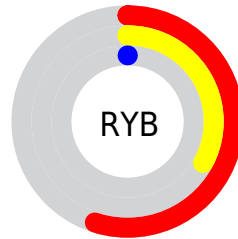
Distribution



Red (55%)

Green (20%)

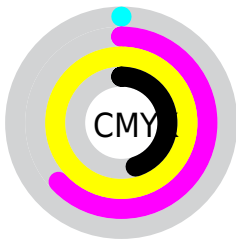
Blue (0%)



Red (55%)

Yellow (33%)

Blue (0%)

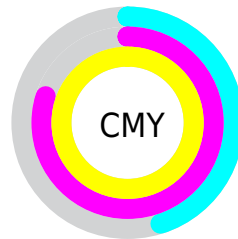


Cyan (0%)

Magenta (63%)

Yellow (100%)

Black (45%)



Cyan (45%)


Magenta (80%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 12.0432, 8.0314, 0.9155 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 12.0432, 8.0314, 0.9155 by changing the saturation by 10% instead.


 12.0432, 8.0314,
0.9155


 12.0432, 8.0314,
0.9155


 198.4552,
175.9781, 102.2500


 6.8455, 4.1150,
0.0000


 29.1899, 22.0200,
5.7796


 3.4111, 1.7381,
0.0000

 41.8697, 32.8610,
10.7389


 1.3747, 0.4482,
0.0000

 57.7742, 46.7790,
17.9413

 0.2381, 0.0000,
0.0000


 77.2688, 64.1584,
27.8055


 0.0000, 0.0000,
0.0000

 100.7188, 85.3837,
40.7499


 128.4896,

110.8391, 57.1931


 160.9466,
140.9091, 77.5536


 12.0432, 8.0314,
0.9155


 12.0432, 8.0314,
0.9155


 12.0433, 8.0317,
0.9155

 12.5528, 8.9238,
1.4764

 13.1903, 9.9902,
2.3319

 13.9863, 11.2490,
3.6248

 14.9537, 12.7104,
5.4069

 16.1039, 14.3840,
7.7224

■ 17.4470, 16.2786,
10.6105

■ 18.9924, 18.4024,
14.1069

■ 20.7489, 20.7633,
18.2441

■ 22.7246, 23.3686,
23.0523

Harmonies

Analogous

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



14.8329, 8.0314, 3.6514



12.0432, 8.0314, 0.9155



8.4988, 8.0314, 0.1049

Triad

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



12.0432, 8.0314, 0.9155



3.0290, 8.0314, 6.5662



10.1888, 8.0314, 37.1544

Complementary

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



12.0432, 8.0314, 0.9155



8.2231, 8.8724, 26.0899

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.



6.8292, 8.0314, 40.2124



12.0432, 8.0314, 0.9155



3.2481, 8.0314, 17.1853

Square

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



12.0432, 8.0314, 0.9155



3.7434, 8.0314, 1.7929



4.4579, 8.0314, 31.2316



13.5711, 8.0314, 24.5316

Rectangle

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



12.0432, 8.0314, 0.9155



6.4124, 8.0314, 0.1582



4.4579, 8.0314, 31.2316



9.0008, 8.0314, 39.5756

Sweetspot

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



12.0434, 8.0319, 0.9156



33.3011, 32.1948, 24.4473



12.6044, 6.2912, 9.9281



7.4317, 7.0882, 5.0805



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.



12.0434, 8.0319, 0.9156



21.0899, 13.8741, 1.5664



17.6931, 19.3313, 2.7989



5.1752, 5.3331, 5.3090



10.7188, 7.1721, 0.8194



0.0844, 0.0740, 0.0098

Inverse Universe

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



8.2231, 8.8724, 26.0899



14.3402, 15.3274, 45.9456



4.9609, 2.3481, 25.0025



5.0193, 5.3815, 6.3800



7.3258, 7.9219, 23.1886



0.0627, 0.0808, 0.1587

Previews

White Background



This preview shows how the XYZ color 12.0432, 8.0314, 0.9155 looks on a white background.

Color Contrast Check

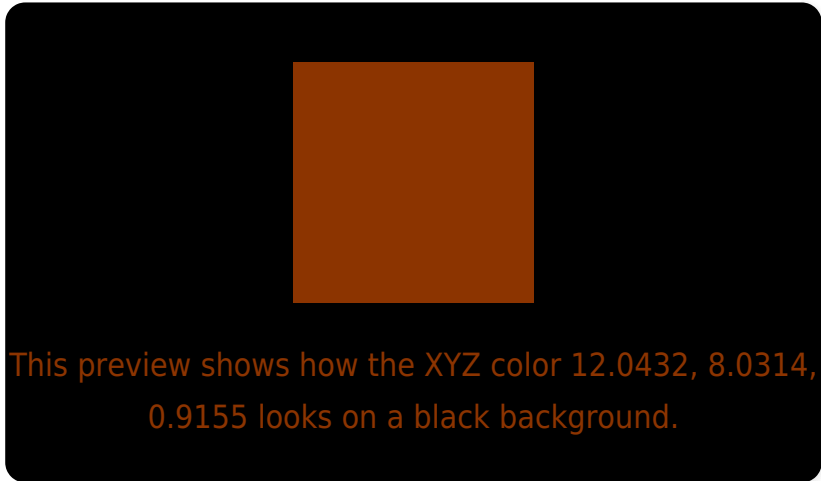
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0432, 8.0314, 0.9155

Background



This preview shows how black text looks on a background with the XYZ color 12.0432, 8.0314, 0.9155.



This preview shows how white text looks on a background with the XYZ color 12.0432, 8.0314,

0.9155.

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

12.0432, 8.0314, 0.9155

Protanopia

7.3361, 8.1407, 1.6001

Deuteranopia

8.1334, 8.1325, 1.1411



Tritanopia

12.6390, 8.0156, 4.0130

Trichromacy



Original Color

12.0432, 8.0314, 0.9155

Protanomaly

8.5461, 7.6513, 1.2849

Deuteranomaly

9.2696, 7.8472, 1.0261

Tritanomaly

12.3435, 7.9636, 2.2531

Monochromacy



Original Color

12.0432, 8.0314, 0.9155

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

7.3132, 6.5192, 3.4577

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0432, 8.0314, 0.9155 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(140, 52, 0)` looks like.

```
.text, #text, p{  
    color:rgb(140, 52, 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(140, 52, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 52, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.0432, 8.0314, 0.9155 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(140, 52, 0) }
```


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

```
.border{ border-color:rgb(140, 52, 0) }
```

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

Here you see how a box with a 4 pixel rgb(140, 52, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 52, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 52, 0);  
box-shadow:4px 4px 4px 4px rgb(140, 52, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.0432, 8.0314, 0.9155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 52, 0) }
```

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

```
.background{ background-color: rgb(140, 52,  
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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