

Converting Colors

XYZ(12.5062, 8.2481, 0.9329)

Have a look what the booklet for
XYZ(12.5062, 8.2481, 0.9329)
contains.

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Color

**XYZ(12.5557, 8.2956,
0.9395)**

Conversions

Conversions Part 1

Format	Color
Hex	8F3400
RGB	143, 52, 0
RGB Percent	56%, 20%, 0%
CMY	0.4392, 0.7961, 1.0000
CMYK	0.00, 0.64, 1.00, 0.44
HSL	22°, 100%, 28%
HSV	22°, 100%, 56%
XYZ	12.5557, 8.2956, 0.9395
YIQ	73.2810, 70.9280, 3.1200

Conversions

Conversions Part 2

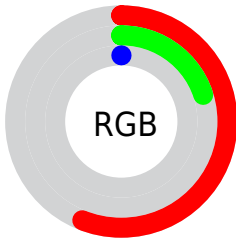
Format	Color
R_{YB}	143, 82, 0
Decimal	9384960
CIE Lab	34.59, 36.58, 46.20
CIE LCh	35, 58.930, 51.629
Yxy	8.2956, 0.5762, 0.3807
Android (android.graphics.Color)	4287575040 (0xFF8F3400)
YUV	73.2810, -36.1275, 61.1436
Hunter-Lab	28.8021, 27.4099, 18.2275

Details

The XYZ color **12.5557, 8.2956, 0.9395** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **8.6988, 9.4649, 27.3549**, and the grayscale version is **6.4352, 6.7703, 7.3729**.

A 20% lighter version of the original color is **29.9775, 22.4383, 5.8830**, and **3.6562, 1.8848, 0.1711** is the 20% darker color. If you saturate the color by 10%, you get **12.5558, 8.2959, 0.9395**, and if you desaturate by 10%, it is **13.0833, 9.2209, 1.5166**.

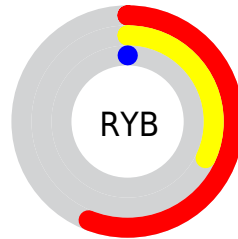
Distribution



Red (56%)

Green (20%)

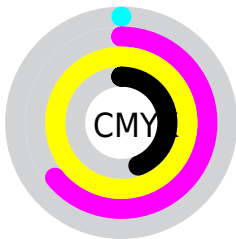
Blue (0%)



Red (56%)

Yellow (32%)

Blue (0%)

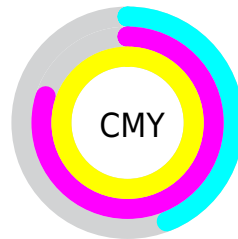


Cyan (0%)

Magenta (64%)

Yellow (100%)

Black (44%)



Cyan (44%)


Magenta (80%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 12.5557, 8.2956, 0.9395 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 12.5557, 8.2956, 0.9395 by changing the saturation by 10% instead.


 12.5557, 8.2956,
0.9395


 12.5557, 8.2956,
0.9395


 201.7459,
178.0325, 102.7886


 7.1982, 4.2847,
0.0000


 30.1114, 22.5359,
5.8591


 3.6338, 1.8340,
0.0000

 43.0403, 33.5341,
10.8590


 1.4971, 0.5083,
0.0000

 59.2237, 47.6302,
18.1104

 0.3239, 0.0000,
0.0000


 79.0270, 65.2085,
28.0318


 0.0000, 0.0000,
0.0000


 102.8155, 86.6535,
41.0418


 130.9546,


112.3496, 57.5589


 163.8096,
142.6811, 78.0017


 12.5557, 8.2956,
0.9395


 12.5557, 8.2956,
0.9395


 12.5558, 8.2959,
0.9395

 13.0833, 9.2209,
1.5166

 13.7475, 10.3323,
2.4066

 14.5799, 11.6493,
3.7563

 15.5942, 13.1830,
5.6202

 16.8026, 14.9438,
8.0451

■ 18.2158, 16.9412,
11.0725

■ 19.8441, 19.1841,
14.7398

■ 21.6965, 21.6810,
19.0815

■ 23.7819, 24.4398,
24.1294

Harmonies

Analogous

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



15.4448, 8.2956, 3.8255



12.5557, 8.2956, 0.9395



8.8525, 8.2956, 0.0935

Triad

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



12.5557, 8.2956, 0.9395



3.1006, 8.2956, 6.6208



10.4834, 8.2956, 38.9764

Complementary

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



12.5557, 8.2956, 0.9395



8.6988, 9.4649, 27.3549

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.



6.9902, 8.2956, 41.9483



12.5557, 8.2956, 0.9395



3.3102, 8.2956, 17.6002

Square

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



12.5557, 8.2956, 0.9395



3.8599, 8.2956, 1.7679



4.5451, 8.2956, 32.3302



14.0332, 8.2956, 25.8291

Rectangle

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



12.5557, 8.2956, 0.9395



6.6651, 8.2956, 0.1342



4.5451, 8.2956, 32.3302



9.2447, 8.2956, 41.4473

Sweetspot

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



12.5559, 8.2961, 0.9396



35.3405, 34.0869, 25.9434



13.3013, 6.6291, 10.9230



7.8431, 7.4590, 5.3547



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.



12.5559, 8.2961, 0.9396



22.3349, 14.5554, 1.6323



18.2321, 19.6485, 2.8317



5.5594, 5.7252, 5.7014



11.1204, 7.3724, 0.8369



0.1260, 0.1098, 0.0145

Inverse Universe

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



8.6988, 9.4649, 27.3549



15.4110, 16.6158, 48.9329



5.2345, 2.5363, 26.2001



5.3976, 5.7909, 6.8620



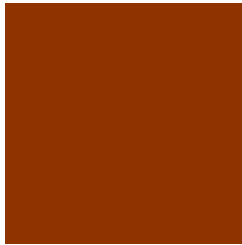
7.7116, 8.4093, 24.1938



0.0947, 0.1224, 0.2383

Previews

White Background



This preview shows how the XYZ color 12.5557, 8.2956, 0.9395 looks on a white background.

Color Contrast Check

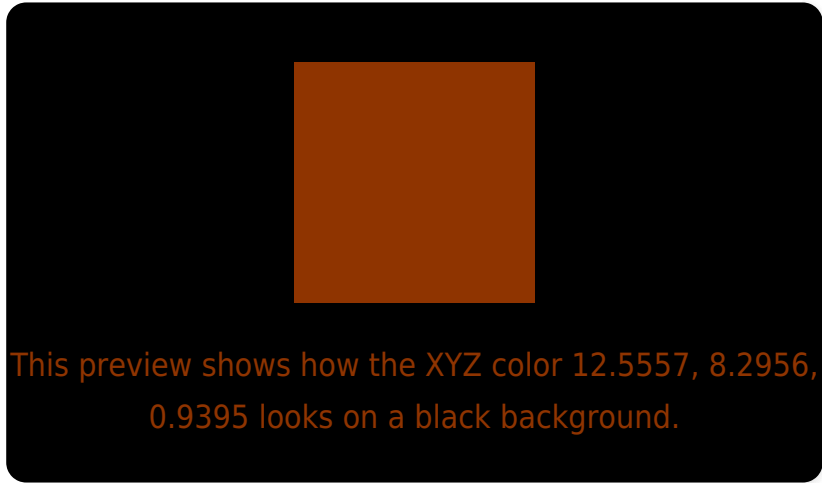
Large Text (above 18pt) WCAG AA ✓ Pass

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

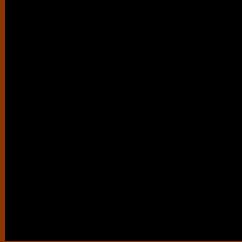
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5557, 8.2956, 0.9395

Background



This preview shows how black text looks on a background with the XYZ color 12.5557, 8.2956, 0.9395.



This preview shows how white text looks on a background with the XYZ color 12.5557, 8.2956,

0.9395.

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

12.5557, 8.2956, 0.9395

Protanopia

7.6937, 8.5482, 1.6964

Deuteranopia

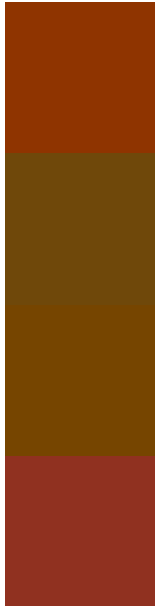
8.4333, 8.3918, 1.1753



Tritanopia

13.1561, 8.2822, 4.0372

Trichromacy



Original Color

12.5557, 8.2956, 0.9395

Protanomaly

8.9277, 8.0362, 1.3678

Deuteranomaly

9.5993, 8.1078, 1.0590

Tritanomaly

12.8606, 8.2302, 2.2773

Monochromacy



Original Color

12.5557, 8.2956, 0.9395

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

7.4204, 6.5745, 3.4627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5557, 8.2956, 0.9395 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(143, 52, 0)` looks like.

```
.text, #text, p{  
    color:rgb(143, 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(143, 52, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 52, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.5557, 8.2956, 0.9395 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(143, 52, 0) }
```


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

```
.border{ border-color:rgb(143, 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(143, 52, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 52, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 52, 0);  
box-shadow:4px 4px 4px 4px rgb(143, 52, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.5557, 8.2956, 0.9395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 52, 0) }
```

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

```
.background{ background-color: rgb(143, 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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