

Converting Colors

XYZ(12.2364, 8.4425, 0.0000)

Have a look what the booklet for
XYZ(12.2364, 8.4425, 0.0000)
contains.

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Color

**XYZ(12.3987, 8.4911,
0.9855)**

Conversions

Conversions Part 1

Format	Color
Hex	8D3800
RGB	141, 56, 0
RGB Percent	55%, 22%, 0%
CMY	0.4471, 0.7804, 1.0000
CMYK	0.00, 0.60, 1.00, 0.45
HSL	24°, 100%, 28%
HSV	24°, 100%, 55%
XYZ	12.3987, 8.4911, 0.9855
YIQ	75.0310, 68.6360, 0.6040

Conversions

Conversions Part 2

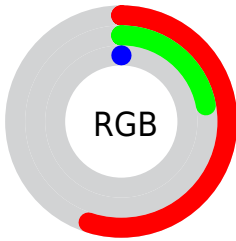
Format	Color
R_{YB}	141, 93, 0
Decimal	9254912
CIE _{Lab}	34.99, 33.82, 46.23
CIE _{LCh}	35, 57.274, 53.813
Yxy	8.4911, 0.5668, 0.3882
Android (android.graphics.Color)	4287444992 (0xFF8D3800)
YUV	75.0310, -36.9903, 57.8548
Hunter-Lab	29.1395, 24.9567, 18.3925

Details

The XYZ color **12.3987, 8.4911, 0.9855** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **8.0560, 8.4196, 26.3996**, and the grayscale version is **6.7498, 7.1014, 7.7334**.

A 20% lighter version of the original color is **29.8390, 22.9646, 5.9919**, and **3.6107, 1.9258, 0.1814** is the 20% darker color. If you saturate the color by 10%, you get **12.3988, 8.4914, 0.9855**, and if you desaturate by 10%, it is **12.9264, 9.4187, 1.5558**.

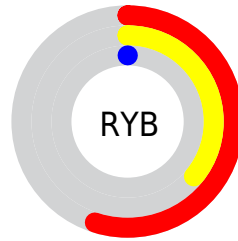
Distribution



Red (55%)

Green (22%)

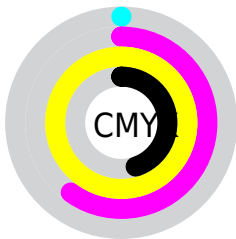
Blue (0%)



Red (55%)

Yellow (36%)

Blue (0%)

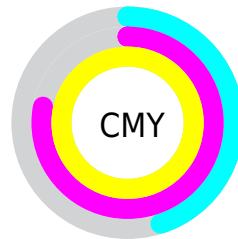


Cyan (0%)

Magenta (60%)

Yellow (100%)

Black (45%)



Cyan (45%)


Magenta (78%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 12.3987, 8.4911, 0.9855 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 12.3987, 8.4911, 0.9855 by changing the saturation by 10% instead.


 12.3987, 8.4911,
0.9855


 12.3987, 8.4911,
0.9855


 200.7437,
179.5348, 103.8229


 7.0899, 4.4108,
0.0000


 29.8298, 22.9157,
6.0131


 3.5652, 1.9059,
0.0000

 42.6829, 34.0288,
11.0910


 1.4592, 0.5519,
0.0000

 58.7814, 48.2549,
18.4363

 0.2979, 0.0000,
0.0000


 78.4908, 65.9784,
28.4675

 0.0000, 0.0000,
0.0000

 102.1763, 87.5838,
41.6032


 130.2034,

113.4554, 58.2620


 162.9374,
143.9776, 78.8624


 12.3987, 8.4911,
0.9855


 12.3987, 8.4911,
0.9855


 12.3988, 8.4914,
0.9855

 12.9264, 9.4187,
1.5558

 13.5793, 10.5132,
2.4249

 14.3878, 11.7921,
3.7368

 15.3646, 13.2652,
5.5439

 16.5208, 14.9411,
7.8911

■ 17.8664, 16.8283,
10.8184

■ 19.4106, 18.9343,
14.3617

■ 21.1619, 21.2664,
18.5541

■ 23.1283, 23.8314,
23.4264

Harmonies

Analogous

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



15.3291, 8.4911, 3.7001



12.3987, 8.4911, 0.9855



8.7698, 8.4911, 0.2362

Triad

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



12.3987, 8.4911, 0.9855



3.2823, 8.4911, 7.4314



10.8957, 8.4911, 37.5908

Complementary

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



12.3987, 8.4911, 0.9855



8.0560, 8.4196, 26.3996

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.



7.4094, 8.4911, 41.3613



12.3987, 8.4911, 0.9855



3.5648, 8.4911, 18.6294

Square

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



12.3987, 8.4911, 0.9855



3.9739, 8.4911, 2.1539



4.8889, 8.4911, 32.8446



14.3096, 8.4911, 24.5456

Rectangle

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



12.3987, 8.4911, 0.9855



6.6558, 8.4911, 0.3287



4.8889, 8.4911, 32.8446



9.6728, 8.4911, 40.2384

Sweetspot

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



12.3989, 8.4916, 0.9856



34.5719, 33.6530, 25.2755



12.7027, 6.3501, 9.5625



7.4862, 7.1972, 5.0987



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.



12.3989, 8.4916, 0.9856



22.0491, 14.8962, 1.7131



18.2612, 20.2162, 2.9397



5.5737, 5.7536, 5.7062



11.3202, 7.7720, 0.9035



0.1287, 0.1153, 0.0155

Inverse Universe

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



8.0560, 8.4196, 26.3996



14.2589, 14.7421, 47.2219



4.9998, 2.3072, 25.3809



5.3829, 5.7616, 6.8572



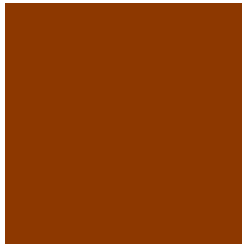
7.3612, 7.7084, 24.0770



0.0920, 0.1169, 0.2374

Previews

White Background



This preview shows how the XYZ color 12.3987, 8.4911, 0.9855 looks on a white background.

Color Contrast Check

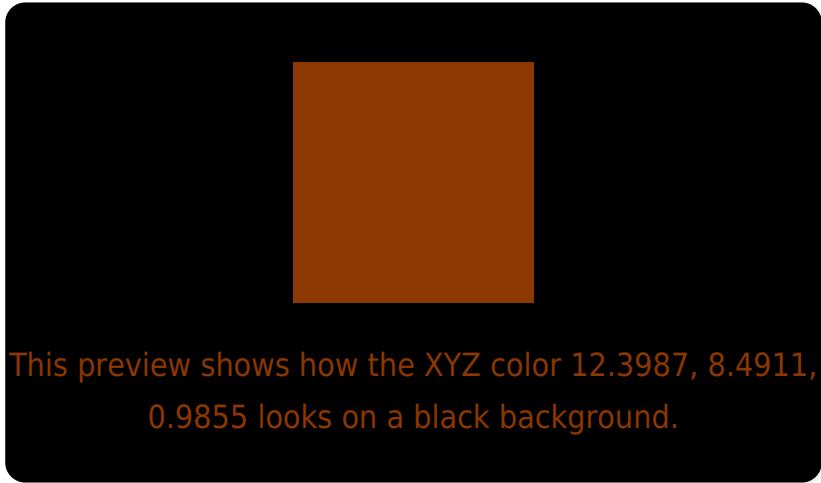
Large Text (above 18pt) WCAG AA ✓ Pass

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

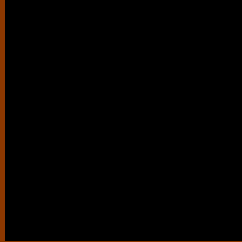
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3987, 8.4911, 0.9855

Background



This preview shows how black text looks on a background with the XYZ color 12.3987, 8.4911, 0.9855.



This preview shows how white text looks on a background with the XYZ color 12.3987, 8.4911,

0.9855.

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

12.3987, 8.4911, 0.9855

Protanopia

7.8657, 8.7520, 1.6902

Deuteranopia

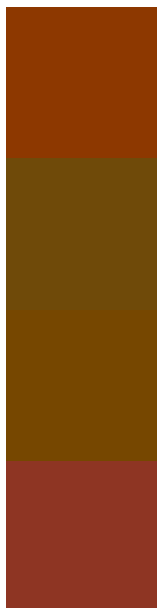
8.6217, 8.5952, 1.2046



Tritanopia

13.0729, 8.4826, 4.5627

Trichromacy



Original Color

12.3987, 8.4911, 0.9855

Protanomaly

9.0536, 8.2968, 1.3827

Deuteranomaly

9.7245, 8.3580, 1.1007

Tritanomaly

12.7318, 8.4183, 2.5440

Monochromacy



Original Color

12.3987, 8.4911, 0.9855

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

7.7462, 7.0003, 3.7392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3987, 8.4911, 0.9855 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(141, 56, 0)` looks like.

```
.text, #text, p{  
    color:rgb(141, 56, 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(141, 56, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 56, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.3987, 8.4911, 0.9855 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(141, 56, 0) }
```


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

```
.border{ border-color:rgb(141, 56, 0) }
```

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

Here you see how a box with a 4 pixel rgb(141, 56, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 56, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 56, 0);  
box-shadow:4px 4px 4px 4px rgb(141, 56, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.3987, 8.4911, 0.9855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 56, 0) }
```

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

```
.background{ background-color: rgb(141, 56,  
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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