

Converting Colors

XYZ(12.5124, 8.7418, 1.0279)

Have a look what the booklet for
XYZ(12.5124, 8.7418, 1.0279)
contains.

XYZ(12.5485, 8.7906, 1.0354)	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(12.5485, 8.7906,
1.0354)**

Conversions

Conversions Part 1

Format	Color
Hex	8D3B00
RGB	141, 59, 0
RGB Percent	55%, 23%, 0%
CMY	0.4471, 0.7686, 1.0000
CMYK	0.00, 0.58, 1.00, 0.45
HSL	25°, 100%, 28%
HSV	25°, 100%, 55%
XYZ	12.5485, 8.7906, 1.0354
YIQ	76.7920, 67.8110, -0.9650

Conversions

Conversions Part 2

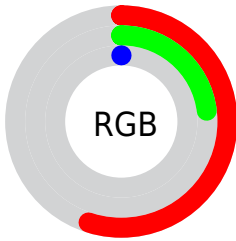
Format	Color
RYB	141, 101, 0
Decimal	9255680
CIELab	35.58, 32.28, 46.56
CIELCh	36, 56.651, 55.265
Yxy	8.7906, 0.5608, 0.3929
Android (android.graphics.Color)	4287445760 (0xFF8D3B00)
YUV	76.7920, -37.8585, 56.3104
Hunter-Lab	29.6489, 23.6620, 18.6837

Details

The XYZ color **12.5485, 8.7906, 1.0354** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **7.8249, 7.9574, 26.3228**, and the grayscale version is **7.0750, 7.4435, 8.1059**.

A 20% lighter version of the original color is **30.1759, 23.6027, 6.2141**, and **3.6650, 2.0344, 0.1995** is the 20% darker color. If you saturate the color by 10%, you get **12.5486, 8.7909, 1.0354**, and if you desaturate by 10%, it is **13.0838, 9.7333, 1.6083**.

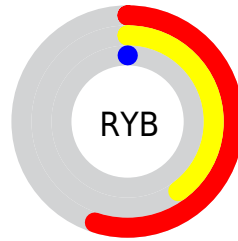
Distribution



Red (55%)

Green (23%)

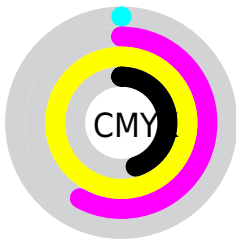
Blue (0%)



Red (55%)

Yellow (40%)

Blue (0%)

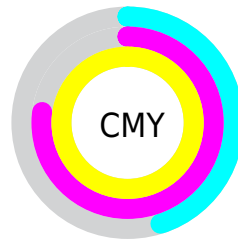


Cyan (0%)

Magenta (58%)

Yellow (100%)

Black (45%)



Cyan (45%)


Magenta (77%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 12.5485, 8.7906, 1.0354 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 12.5485, 8.7906, 1.0354 by changing the saturation by 10% instead.


 12.5485, 8.7906,
1.0354


 12.5485, 8.7906,
1.0354


 201.7001,
181.8080, 104.9215


 7.1932, 4.6049,
0.0000


 30.0985, 23.4944,
6.1785


 3.6306, 2.0173,
0.0000

 43.0239, 34.7812,
11.3393

 1.4954, 0.6175,
0.0000

 59.2035, 49.2038,
18.7843

 0.3227, 0.0000,
0.0000


 79.0024, 67.1467,
28.9321

 0.0000, 0.0000,
0.0000


 102.7863, 88.9941,
42.2011


 130.9202,


115.1306, 59.0100


 163.7697,
145.9404, 79.7773


 12.5485, 8.7906,
1.0354


 12.5485, 8.7906,
1.0354


 12.5486, 8.7909,
1.0354

 13.0838, 9.7333,
1.6083

 13.7401, 10.8346,
2.4785

 14.5475, 12.1113,
3.7900

 15.5183, 13.5724,
5.5951

 16.6634, 15.2262,
7.9386

■ 17.9924, 17.0802,
10.8603

■ 19.5143, 19.1416,
14.3962

■ 21.2374, 21.4172,
18.5792

■ 23.1693, 23.9133,
23.4400

Harmonies

Analogous

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



15.5648, 8.7906, 3.6946



12.5485, 8.7906, 1.0354



8.8936, 8.7906, 0.3414

Triad

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



12.5485, 8.7906, 1.0354



3.4695, 8.7906, 8.1394



11.3885, 8.7906, 37.4747

Complementary

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



12.5485, 8.7906, 1.0354



7.8249, 7.9574, 26.3228

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.



7.8389, 8.7906, 41.8245



12.5485, 8.7906, 1.0354



3.8078, 8.7906, 19.6938

Square

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



12.5485, 8.7906, 1.0354



4.1287, 8.7906, 2.4742



5.2187, 8.7906, 33.8473



14.7801, 8.7906, 24.2352

Rectangle

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



12.5485, 8.7906, 1.0354



6.7839, 8.7906, 0.4676



5.2187, 8.7906, 33.8473



10.1522, 8.7906, 40.2857

Sweetspot

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



12.5487, 8.7911, 1.0355



34.7604, 34.0300, 25.3384



12.5171, 6.2758, 8.5845



7.5318, 7.2885, 5.1139



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.



12.5487, 8.7911, 1.0355



22.3134, 15.4249, 1.8013



18.8677, 21.4292, 3.1419



5.5827, 5.7717, 5.7092



11.4570, 8.0458, 0.9491



0.1305, 0.1189, 0.0161

Inverse Universe

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



7.8249, 7.9574, 26.3228



13.8437, 13.9116, 47.0834



4.9362, 2.1801, 25.3599



5.3737, 5.7431, 6.8541



7.1506, 7.2872, 24.0068



0.0902, 0.1133, 0.2368

Previews

White Background



This preview shows how the XYZ color 12.5485, 8.7906, 1.0354 looks on a white background.

Color Contrast Check

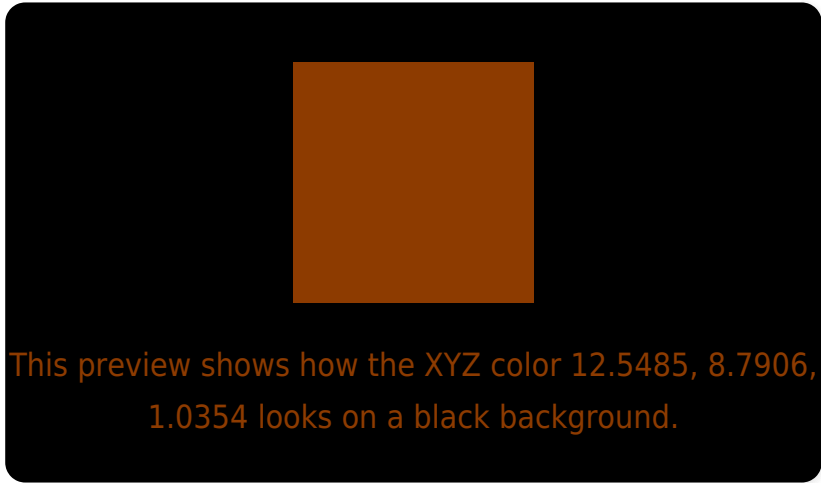
Large Text (above 18pt) WCAG AA ✓ Pass

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

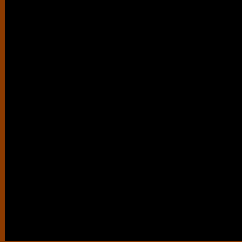
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5485, 8.7906, 1.0354

Background



This preview shows how black text looks on a background with the XYZ color 12.5485, 8.7906, 1.0354.



This preview shows how white text looks on a background with the XYZ color 12.5485, 8.7906,

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

12.5485, 8.7906, 1.0354

Protanopia

8.0471, 8.9616, 1.7211

Deuteranopia

8.9321, 8.8631, 1.2400



Tritanopia

13.2852, 8.7886, 4.9992

Trichromacy



Original Color

12.5485, 8.7906, 1.0354

Protanomaly

9.3158, 8.6334, 1.4338

Deuteranomaly

9.9251, 8.5567, 1.1285

Tritanomaly

12.9034, 8.7127, 2.7519

Monochromacy



Original Color

12.5485, 8.7906, 1.0354

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

8.0001, 7.3114, 3.8953

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5485, 8.7906, 1.0354 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, 59, 0)` looks like.

```
.text, #text, p{  
    color:rgb(141, 59, 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, 59, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 59, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.5485, 8.7906, 1.0354 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, 59, 0) }
```


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

```
.border{ border-color:rgb(141, 59, 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, 59, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 59, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 59, 0);  
box-shadow:4px 4px 4px 4px rgb(141, 59, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.5485, 8.7906, 1.0354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 59, 0) }
```

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

```
.background{ background-color: rgb(141, 59,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor