

Converting Colors

XYZ(12.4708, 12.7520, 0.0000)

Have a look what the booklet for
XYZ(12.4708, 12.7520, 0.0000)
contains.

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Color

**XYZ(12.8789, 12.9850,
1.8276)**

Conversions

Conversions Part 1

Format	Color
Hex	7E6100
RGB	126, 97, 0
RGB Percent	49%, 38%, 0%
CMY	0.5059, 0.6196, 1.0000
CMYK	0.00, 0.23, 1.00, 0.51
HSL	46°, 100%, 25%
HSV	46°, 100%, 49%
XYZ	12.8789, 12.9850, 1.8276
YIQ	94.6130, 48.4210, -24.0190

Conversions

Conversions Part 2

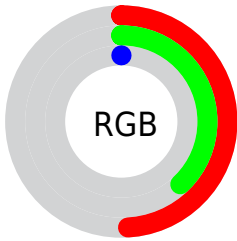
Format	Color
RYB	38, 126, 0
Decimal	8282368
CIELab	42.74, 3.62, 50.07
CIELCh	43, 50.200, 85.864
Yxy	12.9850, 0.4651, 0.4689
Android (android.graphics.Color)	4286472448 (0xFF7E6100)
YUV	94.6130, -46.6442, 27.5264
Hunter-Lab	36.0347, 0.7356, 22.2172

Details

The XYZ color **12.8789, 12.9850, 1.8276** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.2054, 2.3852, 19.9773**, and the grayscale version is **10.8849, 11.4518, 12.4710**.

A 20% lighter version of the original color is **30.7516, 31.2505, 8.5488**, and **3.8563, 3.7454, 0.5197** is the 20% darker color. If you saturate the color by 10%, you get **12.8790, 12.9854, 1.8276**, and if you desaturate by 10%, it is **13.2222, 13.5594, 2.2879**.

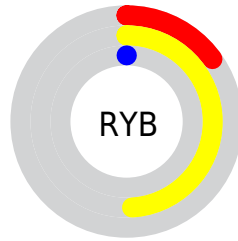
Distribution



Red (49%)

Green (38%)

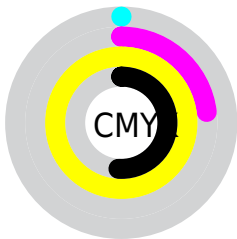
Blue (0%)



Red (15%)

Yellow (49%)

Blue (0%)

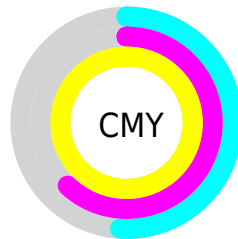


Cyan (0%)

Magenta (23%)

Yellow (100%)

Black (51%)



Cyan (51%)

Magenta (62%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8789, 12.9850, 1.8276 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 12.8789, 12.9850, 1.8276 by changing the saturation by 10% instead.

■ 12.8789, 12.9850,
1.8276

■ 12.8789, 12.9850,
1.8276

■ 203.7934,
210.8215, 119.6396

■ 7.4216, 7.4182,
0.4461

■ 30.6892, 31.2768,
8.5639

■ 3.7758, 3.7250,
0.0000

■ 43.7730, 44.7707,
14.8430

■ 1.5761, 1.5210,
0.0000

■ 60.1296, 61.6757,
23.6208

■ 0.3768, 0.3034,
0.0000


■ 80.1245, 82.3762,
35.3159


■ 0.0000, 0.0000,
0.0000


■ 104.1230,
107.2566, 50.3468


■ 132.4904,


136.7014, 69.1320


 165.5921,
171.0949, 92.0901


 12.8789, 12.9850,
1.8276


 12.8789, 12.9850,
1.8276


 12.8790, 12.9854,
1.8276

 13.2222, 13.5594,
2.2879

 13.6125, 14.1680,
2.9487

 14.0743, 14.8212,
3.9363

 14.6150, 15.5221,
5.2895

 15.2409, 16.2734,
7.0413

■ 15.9578, 17.0775,
9.2211

■ 16.7707, 17.9366,
11.8555

■ 17.6843, 18.8529,
14.9690

■ 18.7032, 19.8281,
18.5843

Harmonies

Analogous

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



16.9366, 12.9850, 2.8998



12.8789, 12.9850, 1.8276



9.4084, 12.9850, 2.4038

Triad

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



12.8789, 12.9850, 1.8276



6.8446, 12.9850, 25.4360



19.4697, 12.9850, 29.5220

Complementary

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



12.8789, 12.9850, 1.8276



4.2054, 2.3852, 19.9773

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.



15.8292, 12.9850, 42.7487



12.8789, 12.9850, 1.8276



8.6637, 12.9850, 39.6559

Square

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



12.8789, 12.9850, 1.8276



6.3725, 12.9850, 12.6757



11.8199, 12.9850, 47.1827



21.2070, 12.9850, 15.7096

Rectangle

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



12.8789, 12.9850, 1.8276



7.7874, 12.9850, 3.9701



11.8199, 12.9850, 47.1827



18.3956, 12.9850, 34.4135

Sweetspot

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



12.8792, 12.9856, 1.8279



29.4134, 31.4625, 20.5139



8.8310, 4.5265, 1.5971



6.5751, 7.0363, 4.2869



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.8792, 12.9856, 1.8279



22.5603, 22.6377, 3.1805



11.9147, 17.2177, 2.6956



4.5841, 4.8569, 4.6160



13.2095, 13.3153, 1.8739



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.2054, 2.3852, 19.9773



7.3079, 4.0097, 35.1331



4.4127, 1.8399, 19.8611



4.1830, 4.3600, 5.4344



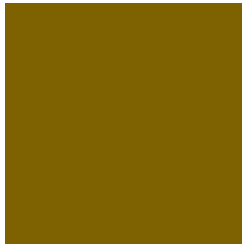
4.3113, 2.4410, 20.4939



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.8789, 12.9850, 1.8276 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 × Fail

Black Background



This preview shows how the XYZ color 12.8789, 12.9850, 1.8276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 12.8789, 12.9850, 1.8276

Background



This preview shows how black text looks on a background with the XYZ color 12.8789, 12.9850, 1.8276.



This preview shows how white text looks on a background with the XYZ color 12.8789, 12.9850,

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

12.8789, 12.9850, 1.8276

Protanopia

11.7237, 13.0933, 2.0817

Deuteranopia

13.1178, 12.9681, 1.9840



Tritanopia

15.1739, 13.0007, 13.0189

Trichromacy



Original Color

12.8789, 12.9850, 1.8276

Protanomaly

12.0503, 12.9747, 1.9841

Deuteranomaly

12.9572, 12.8865, 1.9193

Tritanomaly

13.8371, 12.8436, 6.3072

Monochromacy



Original Color

12.8789, 12.9850, 1.8276

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.9423, 11.7562, 5.9674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8789, 12.9850, 1.8276 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(126, 97, 0)` looks like.

```
.text, #text, p{  
    color:rgb(126, 97, 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(126, 97, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 97, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.8789, 12.9850, 1.8276 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(126, 97, 0) }
```


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

```
.border{ border-color:rgb(126, 97, 0) }
```

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

Here you see how a box with a 4 pixel rgb(126, 97, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 97, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 97, 0);  
box-shadow:4px 4px 4px 4px rgb(126, 97, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.8789, 12.9850, 1.8276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 97, 0) }
```

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

```
.background{ background-color: rgb(126, 97,  
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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