

Converting Colors

XYZ(12.1551, 12.2890, 0.9950)

Have a look what the booklet for
XYZ(12.1551, 12.2890, 0.9950)
contains.

XYZ(12.3149, 12.2905, 1.7232)	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(12.3149, 12.2905,
1.7232)**

Conversions

Conversions Part 1

Format	Color
Hex	7C5E00
RGB	124, 94, 0
RGB Percent	49%, 37%, 0%
CMY	0.5137, 0.6314, 1.0000
CMYK	0.00, 0.24, 1.00, 0.51
HSL	45°, 100%, 24%
HSV	45°, 100%, 49%
XYZ	12.3149, 12.2905, 1.7232
YIQ	92.2540, 48.0540, -22.8740

Conversions

Conversions Part 2

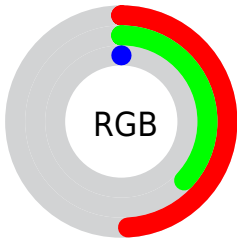
Format	Color
RYB	40, 124, 0
Decimal	8150528
CIELab	41.67, 4.41, 49.22
CIElCh	42, 49.422, 84.878
Yxy	12.2905, 0.4677, 0.4668
Android (android.graphics.Color)	4286340608 (0xFF7C5E00)
YUV	92.2540, -45.4812, 27.8412
Hunter-Lab	35.0578, 1.3513, 21.6262

Details

The XYZ color **12.3149, 12.2905, 1.7232** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.1024, 2.3838, 19.3126**, and the grayscale version is **10.3257, 10.8635, 11.8303**.

A 20% lighter version of the original color is **29.5594, 29.9553, 8.2270**, and **3.5827, 3.4160, 0.4705** is the 20% darker color. If you saturate the color by 10%, you get **12.3151, 12.2910, 1.7233**, and if you desaturate by 10%, it is **12.6560, 12.8626, 2.1766**.

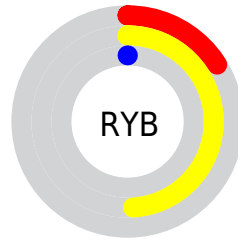
Distribution



Red (49%)

Green (37%)

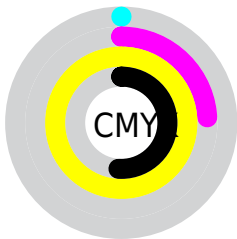
Blue (0%)



Red (16%)

Yellow (49%)

Blue (0%)

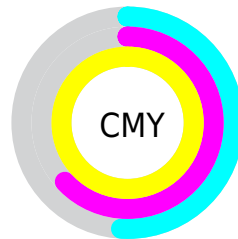


Cyan (0%)

Magenta (24%)

Yellow (100%)

Black (51%)



Cyan (51%)

Magenta (63%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3149, 12.2905, 1.7232 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 12.3149, 12.2905, 1.7232 by changing the saturation by 10% instead.

■ 12.3149, 12.2905,
1.7232

■ 12.3149, 12.2905,
1.7232

■ 200.2066,
206.3191, 117.9188

■ 7.0322, 6.9418,
0.3766

■ 29.6793, 30.0231,
8.2692

■ 3.5288, 3.4258,
0.0000

■ 42.4917, 43.1758,
14.4170

■ 1.4392, 1.3578,
0.0000

■ 58.5447, 59.6987,
23.0394

■ 0.2839, 0.1853,
0.0000

■ 78.2037, 79.9761,
34.5549


■ 0.0000, 0.0000,
0.0000


■ 101.8340,
104.3925, 49.3820


■ 129.8011,


133.3322, 67.9394


 162.4701,
167.1796, 90.6455


 12.3149, 12.2905,
1.7232


 12.3149, 12.2905,
1.7232


 12.3151, 12.2910,
1.7233

 12.6560, 12.8626,
2.1766

 13.0429, 13.4693,
2.8210

 13.4998, 14.1209,
3.7811

 14.0336, 14.8205,
5.0939

 14.6506, 15.5706,
6.7911

■ 15.3562, 16.3736,
8.9011

■ 16.1553, 17.2318,
11.4493

■ 17.0526, 18.1469,
14.4593

■ 18.0522, 19.1210,
17.9529

Harmonies

Analogous

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



16.1661, 12.2905, 2.7974



12.3149, 12.2905, 1.7232



8.9891, 12.2905, 2.2157

Triad

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



12.3149, 12.2905, 1.7232



6.4325, 12.2905, 23.6537



18.3572, 12.2905, 28.4573

Complementary

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



12.3149, 12.2905, 1.7232



4.1024, 2.3838, 19.3126

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.



14.8647, 12.2905, 40.8729



12.3149, 12.2905, 1.7232



8.1144, 12.2905, 37.2362

Square

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



12.3149, 12.2905, 1.7232



6.0258, 12.2905, 11.6787



11.0707, 12.2905, 44.7174



20.0858, 12.2905, 15.2440

Rectangle

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



12.3149, 12.2905, 1.7232



7.4231, 12.2905, 3.6381



11.0707, 12.2905, 44.7174



17.3196, 12.2905, 33.0858

Sweetspot

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



12.3152, 12.2911, 1.7234



28.3236, 30.2128, 19.8012



8.5595, 4.3841, 1.6916



6.5517, 6.9896, 4.2791



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.



12.3152, 12.2911, 1.7234



21.5609, 21.4075, 2.9957



11.7219, 16.7424, 2.6139



4.2295, 4.4775, 4.2658



12.5175, 12.4908, 1.7512



59.0217, 58.2069, 8.1243

Inverse Universe

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



4.1024, 2.3838, 19.3126



7.1232, 4.0029, 33.9538



4.2033, 1.7466, 19.1843



3.8691, 4.0366, 5.0184



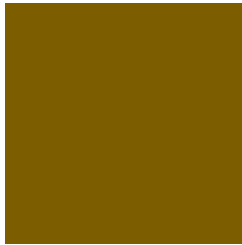
4.1685, 2.4195, 19.6326



19.3146, 10.4019, 93.4596

Previews

White Background



This preview shows how the XYZ color 12.3149, 12.2905, 1.7232 looks on a white background.

Color Contrast Check

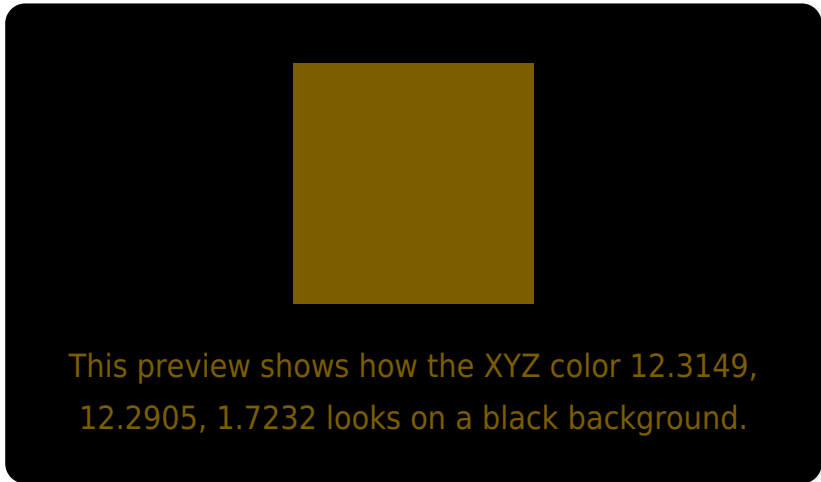
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 12.3149, 12.2905, 1.7232

Background



This preview shows how black text looks on a background with the XYZ color 12.3149, 12.2905, 1.7232.



This preview shows how white text looks on a background with the XYZ color 12.3149, 12.2905,

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

12.3149, 12.2905, 1.7232

Protanopia

11.0557, 12.3185, 1.9960

Deuteranopia

12.4821, 12.3741, 1.8454



Tritanopia

14.4818, 12.2917, 12.1989

Trichromacy



Original Color

12.3149, 12.2905, 1.7232

Protanomaly

11.4991, 12.2712, 1.8774

Deuteranomaly

12.4766, 12.3720, 1.8166

Tritanomaly

13.2242, 12.1506, 5.9233

Monochromacy



Original Color

12.3149, 12.2905, 1.7232

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

10.4127, 11.0875, 5.7290

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3149, 12.2905, 1.7232 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(124, 94, 0)` looks like.

```
.text, #text, p{  
    color:rgb(124, 94, 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(124, 94, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 94, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.3149, 12.2905, 1.7232 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(124, 94, 0) }
```


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

```
.border{ border-color:rgb(124, 94, 0) }
```

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

Here you see how a box with a 4 pixel rgb(124, 94, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 94, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 94, 0);  
box-shadow:4px 4px 4px 4px rgb(124, 94, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.3149, 12.2905, 1.7232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 94, 0) }
```

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

```
.background{ background-color: rgb(124, 94,  
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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