

Converting Colors

XYZ(12.8701, 24.1711, 3.9872)

Have a look what the booklet for
XYZ(12.8701, 24.1711, 3.9872)
contains.

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Color

**XYZ(12.9272, 24.3124,
4.0114)**

Conversions

Conversions Part 1

Format	Color
Hex	2C9C00
RGB	44, 156, 0
RGB Percent	17%, 61%, 0%
CMY	0.8274, 0.3882, 1.0000
CMYK	0.72, 0.00, 1.00, 0.39
HSL	103°, 100%, 31%
HSV	103°, 100%, 61%
XYZ	12.9272, 24.3124, 4.0114
YIQ	104.7280, -16.6760, -72.2600

Conversions

Conversions Part 2

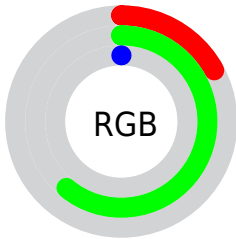
Format	Color
RYB	0, 156, 112
Decimal	2923520
CIELab	56.40, -54.93, 58.28
CIELCh	56, 80.086, 133.308
Yxy	24.3124, 0.3134, 0.5894
Android (android.graphics.Color)	4281113600 (0xFF2C9C00)
YUV	104.7280, -51.6309, -53.2585
Hunter-Lab	49.3076, -39.4902, 29.6918

Details

The XYZ color **12.9272, 24.3124, 4.0114** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **12.6850, 5.8463, 31.9137**, and the grayscale version is **13.4930, 14.1957, 15.4591**.

A 20% lighter version of the original color is **30.8652, 50.7300, 14.1264**, and **4.8502, 9.7005, 1.6167** is the 20% darker color. If you saturate the color by 10%, you get **12.9273, 24.3132, 4.0116**, and if you desaturate by 10%, it is **13.5662, 24.6321, 4.5146**.

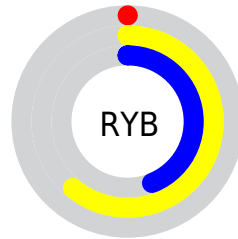
Distribution



Red (17%)

Green (61%)

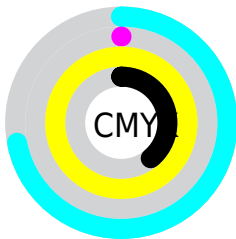
Blue (0%)



Red (0%)

Yellow (61%)

Blue (44%)

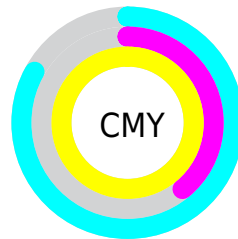


Cyan (72%)

Magenta (0%)

Yellow (100%)

Black (39%)



Cyan (83%)

Magenta (39%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9272, 24.3124, 4.0114 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 12.9272, 24.3124, 4.0114 by changing the saturation by 10% instead.

■ 12.9272, 24.3124,
4.0114

■ 12.9272, 24.3124,
4.0114

204.0976,
274.3961, 148.3520

■ 7.4551, 15.5655,
1.6316

■ 30.7754, 50.5395,
14.0360

■ 3.7971, 9.2172,
0.3132

■ 43.8821, 68.7885,
22.5180

■ 1.5880, 4.8831,
0.0000

■ 60.2645, 90.9737,
33.8710

■ 0.3846, 2.1789,
0.0000

■ 80.2878, 117.4795,
48.5137


■ 0.0000, 0.7084,
0.0000


■ 104.3174,
148.6902, 66.8646


■ 0.0000, 0.0000,
0.0000


■ 132.7187,


184.9903, 89.3423


 165.8570,
226.7641, 116.3652


 12.9272, 24.3124,
4.0114


 12.9272, 24.3124,
4.0114


 12.9273, 24.3132,
4.0116

 13.5662, 24.6321,
4.5146

 14.4131, 25.0503,
5.3866

 15.5078, 25.5847,
6.7906

 16.8710, 26.2445,
8.7936

 18.5208, 27.0378,
11.4529

■ 20.4737, 27.9721,
14.8191

■ 22.7448, 29.0541,
18.9377

■ 25.3481, 30.2901,
23.8505

■ 28.2969, 31.6861,
29.5962

Harmonies

Analogous

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



19.2503, 24.3124, 1.4032



12.9272, 24.3124, 4.0114



9.9128, 24.3124, 14.3683

Triad

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



12.9272, 24.3124, 4.0114



18.3655, 24.3124, 111.4134



45.1052, 24.3124, 16.3908

Complementary

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



12.9272, 24.3124, 4.0114



12.6850, 5.8463, 31.9137

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.



44.6817, 24.3124, 43.9699



12.9272, 24.3124, 4.0114



27.4499, 24.3124, 113.4563

Square

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



12.9272, 24.3124, 4.0114



12.4292, 24.3124, 79.0565



37.5854, 24.3124, 83.5525



38.6225, 24.3124, 4.6472

Rectangle

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



12.9272, 24.3124, 4.0114



9.5088, 24.3124, 29.5219



37.5854, 24.3124, 83.5525



45.8086, 24.3124, 23.6399

Sweetspot

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



12.9278, 24.3134, 4.0119



41.0445, 52.6424, 33.9050



19.4837, 18.6137, 2.5662



8.6652, 11.4092, 6.7892



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



12.9278, 24.3134, 4.0119



23.3104, 44.0712, 7.2780



12.1751, 23.8924, 5.4690



6.7177, 7.4871, 7.0768



10.6780, 20.0415, 3.3056



0.2291, 0.3780, 0.0609

Inverse Universe

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



12.6850, 5.8463, 31.9137



22.8374, 10.5140, 57.9525



17.2366, 8.4787, 19.2071



6.7217, 6.6605, 8.3380



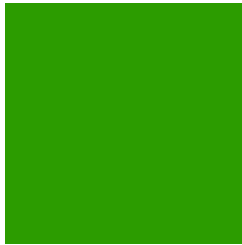
10.4826, 4.8330, 26.2876



0.2262, 0.1064, 0.4718

Previews

White Background



This preview shows how the XYZ color 12.9272, 24.3124, 4.0114 looks on a white 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

Black Background



This preview shows how the XYZ color 12.9272, 24.3124, 4.0114 looks on a black 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

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

XYZ 12.9272, 24.3124, 4.0114

Background



This preview shows how black text looks on a background with the XYZ color 12.9272, 24.3124, 4.0114.



This preview shows how white text looks on a background with the XYZ color 12.9272, 24.3124,

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

12.9272, 24.3124, 4.0114

Protanopia

21.6129, 24.0033, 3.4940

Deuteranopia

24.2261, 23.7236, 4.7411



Tritanopia

19.2718, 24.2629, 35.5658

Trichromacy



Original Color

12.9272, 24.3124, 4.0114

Protanomaly

16.6325, 23.1556, 3.5929

Deuteranomaly

17.5360, 22.5162, 4.1313

Tritanomaly

15.2277, 23.5388, 15.7975

Monochromacy



Original Color

12.9272, 24.3124, 4.0114

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

11.7880, 16.6596, 7.9045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9272, 24.3124, 4.0114 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(44, 156, 0)` looks like.

```
.text, #text, p{  
    color:rgb(44, 156, 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(44, 156, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 156, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.9272, 24.3124, 4.0114 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(44, 156, 0) }
```


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

```
.border{ border-color:rgb(44, 156, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 156, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 156, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 156, 0);  
box-shadow:4px 4px 4px 4px rgb(44, 156, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.9272, 24.3124, 4.0114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 156, 0) }
```

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

```
.background{ background-color: rgb(44, 156,  
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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