

Converting Colors

XYZ(12.2869, 24.5100, 4.0833)

Have a look what the booklet for
XYZ(12.2869, 24.5100, 4.0833)
contains.

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Color

**XYZ(12.2644, 24.4731,
4.0774)**

Conversions

Conversions Part 1

Format	Color
Hex	039E00
RGB	3, 158, 0
RGB Percent	1%, 62%, 0%
CMY	0.9882, 0.3804, 0.9999
CMYK	0.98, 0.00, 1.00, 0.38
HSL	119°, 100%, 31%
HSV	119°, 100%, 62%
XYZ	12.2644, 24.4731, 4.0774
YIQ	93.6430, -41.6620, -81.9980

Conversions

Conversions Part 2

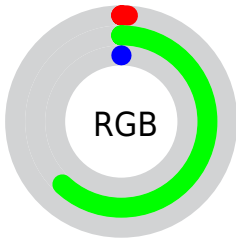
Format	Color
RYB	0, 158, 155
Decimal	237056
CIELab	56.56, -60.09, 58.19
CIELCh	57, 83.646, 135.921
Yxy	24.4731, 0.3005, 0.5996
Android (android.graphics.Color)	4278427136 (0xFF039E00)
YUV	93.6430, -46.1660, -79.4939
Hunter-Lab	49.4703, -42.3203, 29.7425

Details

The XYZ color **12.2644, 24.4731, 4.0774** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **19.6933, 9.4396, 33.1332**, and the grayscale version is **10.6682, 11.2237, 12.2226**.

A 20% lighter version of the original color is **29.5975, 50.8234, 14.2112**, and **5.0516, 10.1032, 1.6839** is the 20% darker color. If you saturate the color by 10%, you get **12.2647, 24.4740, 4.0775**, and if you desaturate by 10%, it is **12.5784, 24.6251, 4.5731**.

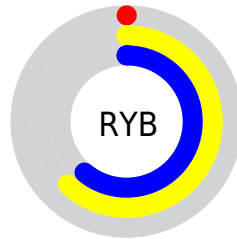
Distribution



Red (1%)

Green (62%)

Blue (0%)



Red (0%)

Yellow (62%)

Blue (61%)

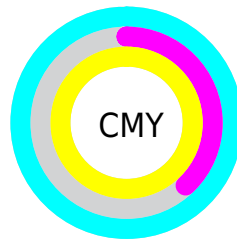


Cyan (98%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (99%)


Magenta (38%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.2644, 24.4731, 4.0774 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 12.2644, 24.4731, 4.0774 by changing the saturation by 10% instead.


 12.2644, 24.4731,
4.0774


 12.2644, 24.4731,
4.0774


199.8823,
275.2037, 149.0818


 6.9975, 15.6849,
1.6679


 29.5884, 50.8011,
14.1879


 3.5068, 9.3015,
0.3386


 42.3763, 69.1098,
22.7259


 1.4271, 4.9383,
0.0000

 58.4018, 91.3608,
34.1439

 0.2754, 2.2111,
0.0000

 78.0304, 117.9384,
48.8604


 0.0000, 0.7261,
0.0000


 101.6274,
149.2271, 67.2939


 0.0000, 0.0000,
0.0000


 129.5581,


185.6113, 89.8629


 162.1880,
227.4753, 116.9861


 12.2644, 24.4731,
4.0774


 12.2644, 24.4731,
4.0774

 12.2647, 24.4740,
4.0775

 12.5784, 24.6251,
4.5731

 13.1426, 24.8970,
5.4521

 14.0399, 25.3289,
6.8824

 15.3109, 25.9400,
8.9342

 16.9905, 26.7471,
11.6673

■ 19.1094, 27.7649,
15.1346

■ 21.6955, 29.0068,
19.3837

■ 24.7745, 30.4849,
24.4583

■ 28.3700, 32.2107,
30.3986

Harmonies

Analogous

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



18.5077, 24.4731, 1.2126



12.2644, 24.4731, 4.0774



9.4481, 24.4731, 15.6447

Triad

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



12.2644, 24.4731, 4.0774



19.0098, 24.4731, 119.3862



46.2205, 24.4731, 14.5096

Complementary

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



12.2644, 24.4731, 4.0774



19.6933, 9.4396, 33.1332

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.



46.4663, 24.4731, 41.8791



12.2644, 24.4731, 4.0774



28.7654, 24.4731, 118.1816

Square

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



12.2644, 24.4731, 4.0774



12.5434, 24.4731, 86.4426



39.4096, 24.4731, 83.8072



38.8097, 24.4731, 3.7396

Rectangle

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



12.2644, 24.4731, 4.0774



9.1975, 24.4731, 32.5500



39.4096, 24.4731, 83.8072



47.2015, 24.4731, 21.5047

Sweetspot

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



12.2650, 24.4741, 4.0780



39.0934, 52.5280, 34.6991



25.4494, 29.9658, 4.4431



8.3740, 11.6313, 7.1001



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



12.2650, 24.4741, 4.0780



22.2528, 44.4331, 7.4036



13.4549, 24.9458, 10.5390



6.5618, 7.4067, 7.0695



9.8262, 19.6023, 3.2657



0.1787, 0.3520, 0.0585

Inverse Universe

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



19.6933, 9.4396, 33.1332



35.7409, 17.1304, 60.1662



15.7123, 7.9141, 9.1435



6.8918, 6.7482, 8.3460



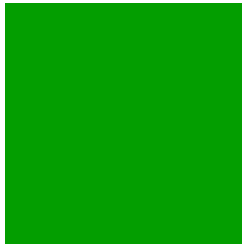
15.7755, 7.5616, 26.5353



0.2856, 0.1370, 0.4746

Previews

White Background



This preview shows how the XYZ color 12.2644, 24.4731, 4.0774 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 12.2644, 24.4731, 4.0774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

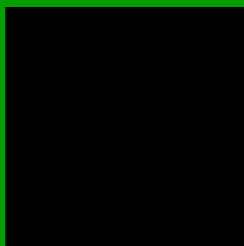
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.2644, 24.4731, 4.0774

Background



This preview shows how black text looks on a background with the XYZ color 12.2644, 24.4731, 4.0774.



This preview shows how white text looks on a background with the XYZ color 12.2644, 24.4731,

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

12.2644, 24.4731, 4.0774

Protanopia

21.6129, 24.0033, 3.4940

Deuteranopia

24.5855, 24.0999, 4.8693



Tritanopia

18.9385, 24.5289, 36.5373

Trichromacy



Original Color

12.2644, 24.4731, 4.0774



Protanomaly

14.8595, 22.2416, 3.5099



Deuteranomaly

15.6841, 21.7744, 4.1353



Tritanomaly

14.4118, 23.5864, 16.1050

Monochromacy



Original Color

12.2644, 24.4731, 4.0774



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

9.1014, 14.0409, 6.5054

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2644, 24.4731, 4.0774 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(3, 158, 0)` looks like.

```
.text, #text, p{  
    color:rgb(3, 158, 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(3, 158, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 158, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.2644, 24.4731, 4.0774 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(3, 158, 0) }
```


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

```
.border{ border-color:rgb(3, 158, 0) }
```

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

Here you see how a box with a 4 pixel rgb(3, 158, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 158, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 158, 0); box-shadow:4px  
4px 4px 4px rgb(3, 158, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2644, 24.4731, 4.0774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 158, 0) }
```

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

```
.background{ background-color: rgb(3, 158,  
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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