

Converting Colors

XYZ(12.2850, 24.5043, 4.2975)

Have a look what the booklet for
XYZ(12.2850, 24.5043, 4.2975)
contains.

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Color

**XYZ(12.2707, 24.4713,
4.3064)**

Conversions

Conversions Part 1

Format	Color
Hex	009E08
RGB	0, 158, 8
RGB Percent	0%, 62%, 3%
CMY	1.0000, 0.3804, 0.9686
CMYK	1.00, 0.00, 0.95, 0.38
HSL	123°, 100%, 31%
HSV	123°, 100%, 62%
XYZ	12.2707, 24.4713, 4.3064
YIQ	93.6580, -46.0180, -80.1460

Conversions

Conversions Part 2

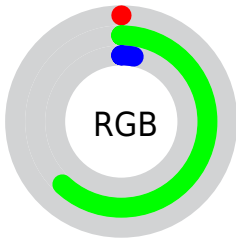
Format	Color
RYB	0, 150, 158
Decimal	40456
CIELab	56.56, -60.04, 56.96
CIELCh	57, 82.757, 136.510
Yxy	24.4713, 0.2989, 0.5962
Android (android.graphics.Color)	4278230536 (0xFF009E08)
YUV	93.6580, -42.2294, -82.1381
Hunter-Lab	49.4685, -42.2927, 29.4665

Details

The XYZ color **12.2707, 24.4713, 4.3064** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **19.6054, 9.4711, 29.6450**, and the grayscale version is **10.6636, 11.2189, 12.2174**.

A 20% lighter version of the original color is **29.5970, 50.8117, 14.7263**, and **5.0516, 10.1032, 1.6839** is the 20% darker color. If you saturate the color by 10%, you get **12.2713, 24.4723, 4.3070**, and if you desaturate by 10%, it is **12.5924, 24.6251, 4.9006**.

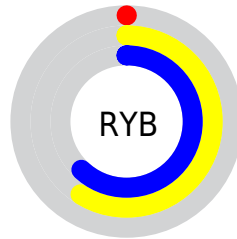
Distribution



Red (0%)

Green (62%)

Blue (3%)



Red (0%)

Yellow (59%)

Blue (62%)

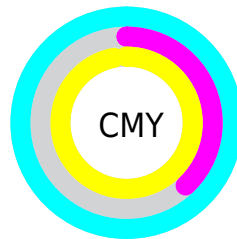


Cyan (100%)

Magenta (0%)

Yellow (95%)

Black (38%)



Cyan (100%)

Magenta (38%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2707, 24.4713, 4.3064 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 12.2707, 24.4713, 4.3064 by changing the saturation by 10% instead.

■ 12.2707, 24.4713,
4.3064

■ 12.2707, 24.4713,
4.3064

199.9228,
275.1946, 151.5724

■ 7.0018, 15.6836,
1.7949

■ 29.5998, 50.7982,
14.7105

■ 3.5096, 9.3005,
0.4246

■ 42.3907, 69.1062,
23.4401

■ 1.4286, 4.9377,
0.0000

■ 58.4197, 91.3564,
35.0795

■ 0.2765, 2.2108,
0.0000

■ 78.0520, 117.9333,
50.0473


■ 0.0000, 0.7259,
0.0000


■ 101.6532,
149.2211, 68.7619


■ 0.0000, 0.0000,
0.0000


■ 129.5884,


185.6043, 91.6420


 162.2232,
227.4674, 119.1060


 12.2707, 24.4713,
4.3064


 12.2707, 24.4713,
4.3064


 12.2713, 24.4723,
4.3070

 12.5924, 24.6251,
4.9006

 13.1607, 24.8955,
5.9463

 14.0611, 25.3258,
7.5166

 15.3338, 25.9356,
9.6681

 17.0136, 26.7417,
12.4501

■ 19.1311, 27.7590,
15.9067

■ 21.7139, 29.0009,
20.0778

■ 24.7876, 30.4797,
25.0005

■ 28.3758, 32.2068,
30.7092

Harmonies

Analogous

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



18.3968, 24.4713, 1.3036



12.2707, 24.4713, 4.3064



9.5282, 24.4713, 16.1150

Triad

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



12.2707, 24.4713, 4.3064



19.2123, 24.4713, 118.2373



45.8333, 24.4713, 14.2658

Complementary

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



12.2707, 24.4713, 4.3064



19.6054, 9.4711, 29.6450

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.



46.2302, 24.4713, 40.9826



12.2707, 24.4713, 4.3064



28.9108, 24.4713, 116.3005

Square

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



12.2707, 24.4713, 4.3064



12.7254, 24.4713, 86.3670



39.3910, 24.4713, 82.1231



38.4216, 24.4713, 3.7478

Rectangle

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



12.2707, 24.4713, 4.3064



9.3145, 24.4713, 33.1011



39.3910, 24.4713, 82.1231



46.8501, 24.4713, 21.0884

Sweetspot

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



12.2713, 24.4723, 4.3070



39.1317, 52.5195, 35.9787



24.8240, 30.9486, 4.6653



8.3832, 11.6294, 7.4039



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.



12.2713, 24.4723, 4.3070



22.2614, 44.4309, 7.7036



13.9437, 25.1413, 13.1136



6.5637, 7.4062, 7.1371



9.8321, 19.6008, 3.4731



0.1793, 0.3519, 0.0807

Inverse Universe

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



19.6054, 9.4711, 29.6450



35.5790, 17.1896, 53.7125



15.2417, 7.7256, 6.6662



6.8896, 6.7488, 8.2699



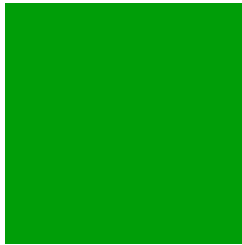
15.7057, 7.5869, 23.7650



0.2848, 0.1372, 0.4458

Previews

White Background



This preview shows how the XYZ color 12.2707, 24.4713, 4.3064 looks on a white background.

Color Contrast Check

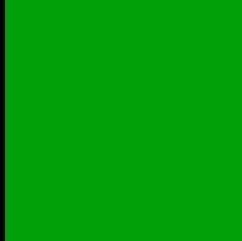
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2707, 24.4713, 4.3064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

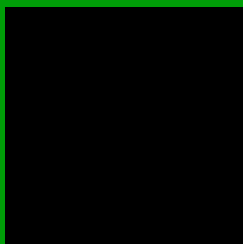
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.2707, 24.4713, 4.3064

Background



This preview shows how black text looks on a background with the XYZ color 12.2707, 24.4713, 4.3064.



This preview shows how white text looks on a background with the XYZ color 12.2707, 24.4713,

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

12.2707, 24.4713, 4.3064

Protanopia

21.6129, 24.0033, 3.4940

Deuteranopia

24.6001, 24.1057, 4.9464



Tritanopia

18.9385, 24.5289, 36.5373

Trichromacy



Original Color

12.2707, 24.4713, 4.3064



Protanomaly

14.7687, 22.1929, 3.5914



Deuteranomaly

15.5924, 21.7236, 4.2910



Tritanomaly

14.5201, 23.6249, 16.8915

Monochromacy



Original Color

12.2707, 24.4713, 4.3064



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

9.1220, 14.0421, 6.9322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2707, 24.4713, 4.3064 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(0, 158, 8)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 8)  
}
```

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(0, 158, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 8) }
```

Border

The CSS property to change the border of an element to XYZ 12.2707, 24.4713, 4.3064 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(0, 158, 8) }
```


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

```
.border{ border-color:rgb(0, 158, 8) }
```

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

Here you see how a box with a 4 pixel rgb(0, 158, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 158, 8); box-shadow:4px  
4px 4px 4px rgb(0, 158, 8) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2707, 24.4713, 4.3064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 8) }
```

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

```
.background{ background-color: rgb(0, 158,  
8) }
```

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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