

Converting Colors

XYZ(7.2847, 22.0956, 4.1976)

Have a look what the booklet for
XYZ(7.2847, 22.0956, 4.1976)
contains.

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Color

**XYZ(12.4585, 24.8204,
4.4508)**

Conversions

Conversions Part 1

Format	Color
Hex	009F0B
RGB	0, 159, 11
RGB Percent	0%, 62%, 4%
CMY	1.0000, 0.3765, 0.9568
CMYK	1.00, 0.00, 0.93, 0.38
HSL	124°, 100%, 31%
HSV	124°, 100%, 62%
XYZ	12.4585, 24.8204, 4.4508
YIQ	94.5870, -47.2560, -79.7360

Conversions

Conversions Part 2

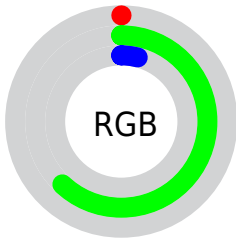
Format	Color
RYB	0, 149, 159
Decimal	40715
CIELab	56.90, -60.24, 56.79
CIELCh	57, 82.789, 136.685
Yxy	24.8204, 0.2986, 0.5948
Android (android.graphics.Color)	4278230795 (0xFF009F0B)
YUV	94.5870, -41.2084, -82.9528
Hunter-Lab	49.8201, -42.5477, 29.5772

Details

The XYZ color **12.4585, 24.8204, 4.4508** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **19.6431, 9.5090, 28.8129**, and the grayscale version is **10.8826, 11.4494, 12.4684**.

A 20% lighter version of the original color is **29.8848, 51.3330, 14.9898**, and **5.1540, 10.3081, 1.7180** is the 20% darker color. If you saturate the color by 10%, you get **12.4591, 24.8214, 4.4514**, and if you desaturate by 10%, it is **12.7950, 24.9803, 5.1136**.

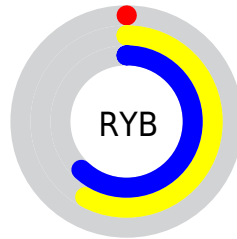
Distribution



Red (0%)

Green (62%)

Blue (4%)



Red (0%)

Yellow (58%)

Blue (62%)

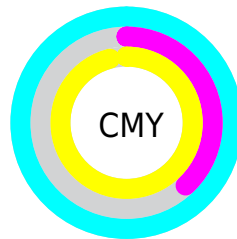


Cyan (100%)

Magenta (0%)

Yellow (93%)

Black (38%)



Cyan (100%)

Magenta (38%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.4585, 24.8204, 4.4508 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 12.4585, 24.8204, 4.4508 by changing the saturation by 10% instead.


 12.4585, 24.8204,
4.4508


 12.4585, 24.8204,
4.4508


201.1260,
276.9423, 153.1115


 7.1312, 15.9433,
1.8758


 29.9371, 51.3657,
15.0368


 3.5913, 9.4840,
0.4772


 42.8191, 69.8027,
23.8848

 1.4736, 5.0582,
0.0000

 58.9500, 92.1951,
35.6609

 0.3078, 2.2815,
0.0000

 78.6953, 118.9274,
50.7836


 0.0000, 0.7639,
0.0000


 102.4201,
150.3838, 69.6715

 0.0000, 0.0000,
0.0000


 130.4899,


186.9489, 92.7431


 163.2701,
229.0069, 120.4169


 12.4585, 24.8204,
4.4508


 12.4585, 24.8204,
4.4508


 12.4591, 24.8214,
4.4514

 12.7950, 24.9803,
5.1136

 13.3816, 25.2585,
6.2325

 14.3029, 25.6982,
7.8726

 15.5992, 26.3188,
10.0869

 17.3050, 27.1371,
12.9219

■ 19.4507, 28.1681,
16.4195

■ 22.0641, 29.4251,
20.6177

■ 25.1706, 30.9206,
25.5519

■ 28.7937, 32.6659,
31.2549

Harmonies

Analogous

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



18.6322, 24.8204, 1.3584



12.4585, 24.8204, 4.4508



9.7003, 24.8204, 16.4975

Triad

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



12.4585, 24.8204, 4.4508



19.5519, 24.8204, 119.4189



46.3399, 24.8204, 14.4097

Complementary

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



12.4585, 24.8204, 4.4508



19.6431, 9.5090, 28.8129

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.



46.7864, 24.8204, 41.2845



12.4585, 24.8204, 4.4508



29.3598, 24.8204, 117.2437

Square

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



12.4585, 24.8204, 4.4508



12.9719, 24.8204, 87.4767



39.9252, 24.8204, 82.7075



38.8343, 24.8204, 3.8165

Rectangle

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



12.4585, 24.8204, 4.4508



9.4947, 24.8204, 33.7304



39.9252, 24.8204, 82.7075



47.3801, 24.8204, 21.2732

Sweetspot

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



12.4591, 24.8214, 4.4514



39.2230, 52.5560, 36.4593



24.6843, 31.1308, 4.7078



8.4049, 11.6380, 7.5184



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.



12.4591, 24.8214, 4.4514



22.2853, 44.4404, 7.8298



14.2484, 25.5372, 13.8738



6.5685, 7.4081, 7.1621



9.8467, 19.6066, 3.5495



0.1809, 0.3525, 0.0889

Inverse Universe

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



19.6431, 9.5090, 28.8129



35.1480, 17.0173, 51.4430



15.3698, 7.7997, 6.3096



6.8843, 6.7466, 8.2419



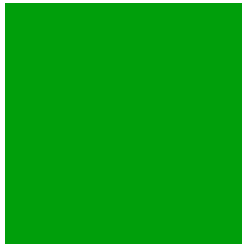
15.5205, 7.5128, 22.7895



0.2828, 0.1365, 0.4355

Previews

White Background



This preview shows how the XYZ color 12.4585, 24.8204, 4.4508 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 12.4585, 24.8204, 4.4508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

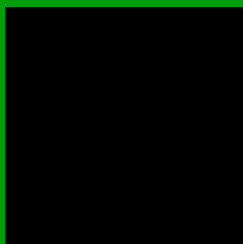
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.4585, 24.8204, 4.4508

Background



This preview shows how black text looks on a background with the XYZ color 12.4585, 24.8204, 4.4508.



This preview shows how white text looks on a background with the XYZ color 12.4585, 24.8204,

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

12.4585, 24.8204, 4.4508

Protanopia

21.9410, 24.3806, 3.5495

Deuteranopia

24.9633, 24.4858, 5.0796



Tritanopia

19.2498, 24.9112, 37.0515

Trichromacy



Original Color

12.4585, 24.8204, 4.4508



Protanomaly

14.9249, 22.4967, 3.6705



Deuteranomaly

15.8826, 22.0865, 4.4629



Tritanomaly

14.8260, 24.0107, 17.4888

Monochromacy



Original Color

12.4585, 24.8204, 4.4508



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

9.2673, 14.2877, 7.1198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4585, 24.8204, 4.4508 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, 159, 11)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 11)  
}
```

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, 159, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 11) }
```

Border

The CSS property to change the border of an element to XYZ 12.4585, 24.8204, 4.4508 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, 159, 11) }
```


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

```
.border{ border-color:rgb(0, 159, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 159, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 11);  
box-shadow:4px 4px 4px 4px rgb(0, 159, 11)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.4585, 24.8204, 4.4508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 159, 11) }
```

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

```
.background{ background-color: rgb(0, 159,  
11) }
```

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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