

Converting Colors

XYZ(10.5998, 23.4551, 1.9988)

Have a look what the booklet for
XYZ(10.5998, 23.4551, 1.9988)
contains.

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Color

**XYZ(12.0570, 24.1139,
4.0190)**

Conversions

Conversions Part 1

Format	Color
Hex	009D00
RGB	0, 157, 0
RGB Percent	0%, 62%, 0%
CMY	1.0000, 0.3843, 0.9999
CMYK	1.00, 0.00, 1.00, 0.38
HSL	120°, 100%, 31%
HSV	120°, 100%, 62%
XYZ	12.0570, 24.1139, 4.0190
YIQ	92.1590, -43.1750, -82.1110

Conversions

Conversions Part 2

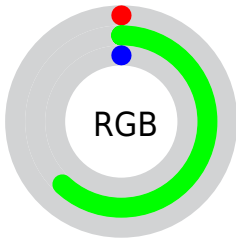
Format	Color
RYB	0, 157, 157
Decimal	40192
CIELab	56.20, -59.98, 57.89
CIELCh	56, 83.366, 136.016
Yxy	24.1139, 0.3000, 0.6000
Android (android.graphics.Color)	4278230272 (0xFF009D00)
YUV	92.1590, -45.4344, -80.8234
Hunter-Lab	49.1059, -42.1081, 29.5216

Details

The XYZ color **12.0570, 24.1139, 4.0190** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **19.9905, 9.6026, 32.6954**, and the grayscale version is **10.3193, 10.8567, 11.8229**.

A 20% lighter version of the original color is **29.2460, 50.2676, 14.1224**, and **4.9503, 9.9006, 1.6501** is the 20% darker color. If you saturate the color by 10%, you get **12.0575, 24.1149, 4.0194**, and if you desaturate by 10%, it is **12.3575, 24.2590, 4.5102**.

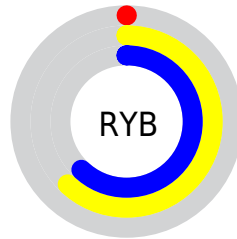
Distribution



Red (0%)

Green (62%)

Blue (0%)



Red (0%)

Yellow (62%)

Blue (62%)

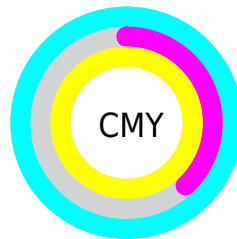


Cyan (100%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (100%)

Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0570, 24.1139, 4.0190 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 12.0570, 24.1139, 4.0190 by changing the saturation by 10% instead.

■ 12.0570, 24.1139,
4.0190

■ 12.0570, 24.1139,
4.0190

198.5445,
273.3958, 148.4363

■ 6.8550, 15.4181,
1.6358

■ 29.2148, 50.2160,
14.0536

■ 3.4171, 9.1134,
0.3162

■ 41.9014, 68.3911,
22.5420

■ 1.3780, 4.8152,
0.0000

■ 57.8134, 90.4948,
33.9025

■ 0.2405, 2.1392,
0.0000

■ 77.3164, 116.9115,
48.5538


■ 0.0000, 0.6866,
0.0000


■ 100.7757,
148.0256, 66.9142


■ 0.0000, 0.0000,
0.0000


■ 128.5565,


184.2214, 89.4024


 161.0243,
225.8833, 116.4370


 12.0570, 24.1139,
4.0190


 12.0570, 24.1139,
4.0190


 12.0575, 24.1149,
4.0194

 12.3575, 24.2590,
4.5102

 12.8876, 24.5136,
5.3774

 13.7499, 24.9278,
6.7880

 14.9869, 25.5220,
8.8114

 16.6345, 26.3134,
11.5064

■ 18.7246, 27.3174,
14.9251

■ 21.2858, 28.5477,
19.1144

■ 24.3445, 30.0169,
24.1174

■ 27.9250, 31.7368,
29.9738

Harmonies

Analogous

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



18.2041, 24.1139, 1.1877



12.0570, 24.1139, 4.0190



9.2900, 24.1139, 15.4604

Triad

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



12.0570, 24.1139, 4.0190



18.7505, 24.1139, 117.9104



45.5729, 24.1139, 14.2256

Complementary

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



12.0570, 24.1139, 4.0190



19.9905, 9.6026, 32.6954

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.



45.8407, 24.1139, 41.1773



12.0570, 24.1139, 4.0190



28.3861, 24.1139, 116.5976

Square

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



12.0570, 24.1139, 4.0190



12.3604, 24.1139, 85.4377



38.8909, 24.1139, 82.5663



38.2376, 24.1139, 3.6523

Rectangle

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



12.0570, 24.1139, 4.0190



9.0487, 24.1139, 32.1814



38.8909, 24.1139, 82.5663



46.5498, 24.1139, 21.1065

Sweetspot

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



12.0576, 24.1149, 4.0195



37.8290, 50.9848, 33.7558



25.9626, 31.2832, 4.6700



7.9123, 11.0211, 6.7542



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.



12.0576, 24.1149, 4.0195



21.5929, 43.1858, 7.1980



13.4508, 24.6722, 11.3561



6.5508, 7.4011, 7.0690



9.7925, 19.5849, 3.2644



0.1751, 0.3502, 0.0584

Inverse Universe

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



19.9905, 9.6026, 32.6954



35.7995, 17.1965, 58.5519



15.2985, 7.7258, 7.9877



6.9042, 6.7546, 8.3465



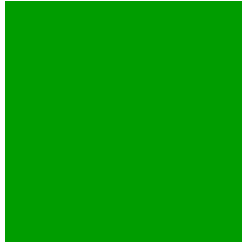
16.2353, 7.7987, 26.5536



0.2903, 0.1394, 0.4748

Previews

White Background



This preview shows how the XYZ color 12.0570, 24.1139, 4.0190 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 12.0570, 24.1139, 4.0190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

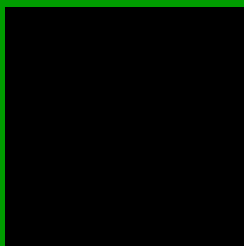
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.0570, 24.1139, 4.0190

Background



This preview shows how black text looks on a background with the XYZ color 12.0570, 24.1139, 4.0190.



This preview shows how white text looks on a background with the XYZ color 12.0570, 24.1139,

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

12.0570, 24.1139, 4.0190

Protanopia

21.2876, 23.6295, 3.4390

Deuteranopia

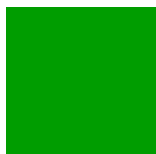
24.2403, 23.7293, 4.8160



Tritanopia

18.6972, 24.1846, 36.0304

Trichromacy



Original Color

12.0570, 24.1139, 4.0190



Protanomaly

14.4969, 21.8328, 3.4501



Deuteranomaly

15.4176, 21.4230, 4.0815



Tritanomaly

14.2102, 23.2445, 16.0496

Monochromacy



Original Color

12.0570, 24.1139, 4.0190



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

8.8384, 13.7364, 6.3232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0570, 24.1139, 4.0190 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, 157, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 157, 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(0, 157, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.0570, 24.1139, 4.0190 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, 157, 0) }
```


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

```
.border{ border-color:rgb(0, 157, 0) }
```

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

Here you see how a box with a 4 pixel rgb(0, 157, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 157, 0); box-shadow:4px  
4px 4px 4px rgb(0, 157, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0570, 24.1139, 4.0190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 157, 0) }
```

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

```
.background{ background-color: rgb(0, 157,  
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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