

Converting Colors

XYZ(12.2521, 24.2944, 4.0435)

Have a look what the booklet for
XYZ(12.2521, 24.2944, 4.0435)
contains.

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Color

**XYZ(12.1950, 24.1851,
4.0254)**

Conversions

Conversions Part 1

Format	Color
Hex	0B9D00
RGB	11, 157, 0
RGB Percent	4%, 62%, 0%
CMY	0.9569, 0.3843, 1.0000
CMYK	0.93, 0.00, 1.00, 0.38
HSL	116°, 100%, 31%
HSV	116°, 100%, 62%
XYZ	12.1950, 24.1851, 4.0254
YIQ	95.4480, -36.6190, -79.7790

Conversions

Conversions Part 2

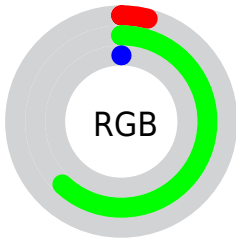
Format	Color
RYB	0, 157, 146
Decimal	761088
CIELab	56.27, -59.34, 57.98
CIELCh	56, 82.962, 135.661
Yxy	24.1851, 0.3018, 0.5986
Android (android.graphics.Color)	4278951168 (0xFF0B9D00)
YUV	95.4480, -47.0559, -74.0609
Hunter-Lab	49.1783, -41.7986, 29.5718

Details

The XYZ color **12.1950, 24.1851, 4.0254** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **17.9424, 8.5468, 32.6036**, and the grayscale version is **11.1020, 11.6801, 12.7197**.

A 20% lighter version of the original color is **29.5477, 50.4231, 14.1365**, and **4.9503, 9.9006, 1.6501** is the 20% darker color. If you saturate the color by 10%, you get **12.1954, 24.1860, 4.0256**, and if you desaturate by 10%, it is **12.5648, 24.3659, 4.5199**.

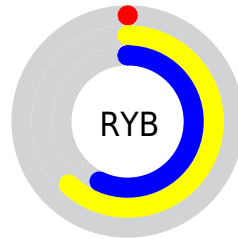
Distribution



Red (4%)

Green (62%)

Blue (0%)



Red (0%)

Yellow (62%)

Blue (57%)

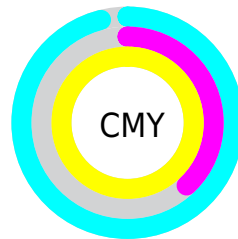


Cyan (93%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (96%)


Magenta (38%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.1950, 24.1851, 4.0254 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 12.1950, 24.1851, 4.0254 by changing the saturation by 10% instead.


 12.1950, 24.1851,
4.0254


 12.1950, 24.1851,
4.0254


199.4357,
273.7550, 148.5073


 6.9498, 15.4710,
1.6393


 29.4635, 50.3321,
14.0683


 3.4768, 9.1506,
0.3186


 42.2176, 68.5338,
22.5622


 1.4106, 4.8395,
0.0000

 58.2052, 90.6667,
33.9290

 0.2638, 2.1534,
0.0000

 77.7919, 117.1154,
48.5874


 0.0000, 0.6944,
0.0000


 101.3429,
148.2641, 66.9559


 0.0000, 0.0000,
0.0000


 129.2237,


184.4974, 89.4530


 161.7994,
226.1995, 116.4973


 12.1950, 24.1851,
4.0254


 12.1950, 24.1851,
4.0254


 12.1954, 24.1860,
4.0256

 12.5648, 24.3659,
4.5199

 13.1933, 24.6713,
5.3917

 14.1377, 25.1278,
6.8062

 15.4326, 25.7518,
8.8324

 17.1079, 26.5575,
11.5290

■ 19.1904, 27.5576,
14.9476

■ 21.7043, 28.7635,
19.1351

■ 24.6722, 30.1859,
24.1344

■ 28.1148, 31.8347,
29.9849

Harmonies

Analogous

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



18.3774, 24.1851, 1.2178



12.1950, 24.1851, 4.0254



9.3901, 24.1851, 15.3374

Triad

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



12.1950, 24.1851, 4.0254



18.7324, 24.1851, 117.2297



45.5928, 24.1851, 14.5339

Complementary

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



12.1950, 24.1851, 4.0254



17.9424, 8.5468, 32.6036

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.



45.7662, 24.1851, 41.6250



12.1950, 24.1851, 4.0254



28.3099, 24.1851, 116.3813

Square

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



12.1950, 24.1851, 4.0254



12.3925, 24.1851, 84.7083



38.7832, 24.1851, 82.8511



38.3599, 24.1851, 3.7849

Rectangle

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



12.1950, 24.1851, 4.0254



9.1269, 24.1851, 31.8703



38.7832, 24.1851, 82.8511



46.5341, 24.1851, 21.4782

Sweetspot

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



12.1956, 24.1861, 4.0259



38.5834, 51.3737, 33.7898



23.8664, 27.0908, 3.9715



8.0871, 11.1112, 6.7621



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.



12.1956, 24.1861, 4.0259



21.7784, 43.2814, 7.2063



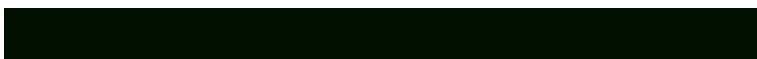
13.0241, 24.5016, 9.1086



6.5916, 7.4221, 7.0709



9.9176, 19.6494, 3.2700



0.1885, 0.3571, 0.0590

Inverse Universe

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



17.9424, 8.5468, 32.6036



32.0641, 15.2706, 58.3843



15.8192, 7.9342, 10.7291



6.8583, 6.7309, 8.3444



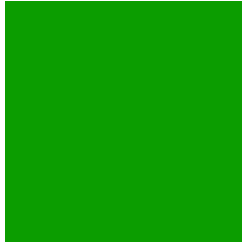
14.5846, 6.9476, 26.4796



0.2731, 0.1306, 0.4740

Previews

White Background



This preview shows how the XYZ color 12.1950, 24.1851, 4.0254 looks on a white background.

Color Contrast Check

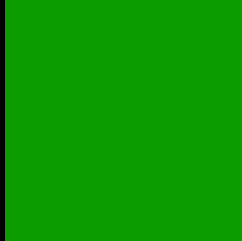
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.1950, 24.1851, 4.0254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

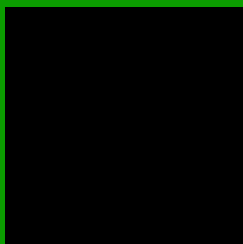
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.1950, 24.1851, 4.0254

Background



This preview shows how black text looks on a background with the XYZ color 12.1950, 24.1851, 4.0254.



This preview shows how white text looks on a background with the XYZ color 12.1950, 24.1851,

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

12.1950, 24.1851, 4.0254

Protanopia

21.2876, 23.6295, 3.4390

Deuteranopia

24.2403, 23.7293, 4.8160



Tritanopia

18.6972, 24.1846, 36.0304

Trichromacy



Original Color

12.1950, 24.1851, 4.0254



Protanomaly

14.9285, 22.0553, 3.4703



Deuteranomaly

15.9154, 21.6796, 4.1048



Tritanomaly

14.3820, 23.3331, 16.0577

Monochromacy



Original Color

12.1950, 24.1851, 4.0254



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

9.4084, 14.3731, 6.5534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1950, 24.1851, 4.0254 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(11, 157, 0)` looks like.

```
.text, #text, p{  
    color:rgb(11, 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(11, 157, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 157, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.1950, 24.1851, 4.0254 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(11, 157, 0) }
```


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

```
.border{ border-color:rgb(11, 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(11, 157, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 157, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 157, 0);  
box-shadow:4px 4px 4px 4px rgb(11, 157, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.1950, 24.1851, 4.0254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 157, 0) }
```

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

```
.background{ background-color: rgb(11, 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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