

Converting Colors

XYZ(24.2379, 48.2513, 8.7684)

Have a look what the booklet for
XYZ(24.2379, 48.2513, 8.7684)
contains.

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Color

**XYZ(24.1819, 48.1473,
8.7283)**

Conversions

Conversions Part 1

Format	Color
Hex	00D615
RGB	0, 214, 21
RGB Percent	0%, 84%, 8%
CMY	1.0000, 0.1608, 0.9176
CMYK	1.00, 0.00, 0.90, 0.16
HSL	126°, 100%, 42%
HSV	126°, 100%, 84%
XYZ	24.1819, 48.1473, 8.7283
YIQ	128.0120, -65.5910, -105.3910

Conversions

Conversions Part 2

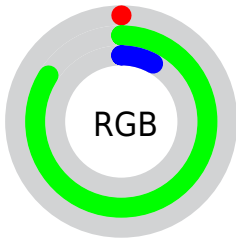
Format	Color
RYB	0, 195, 214
Decimal	54805
CIELab	74.92, -75.06, 70.52
CIELCh	75, 102.991, 136.787
Yxy	48.1473, 0.2983, 0.5940
Android (android.graphics.Color)	4278244885 (0xFF00D615)
YUV	128.0120, -52.7569, -112.2665
Hunter-Lab	69.3883, -59.2220, 41.1137

Details

The XYZ color **24.1819, 48.1473, 8.7283** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **37.3571, 18.1465, 51.9790**, and the grayscale version is **20.7171, 21.7960, 23.7359**.

A 20% lighter version of the original color is **43.7898, 75.4463, 21.9275**, and **12.0570, 24.1139, 4.0190** is the 20% darker color. If you saturate the color by 10%, you get **24.1831, 48.1493, 8.7294**, and if you desaturate by 10%, it is **24.7537, 48.4143, 10.0759**.

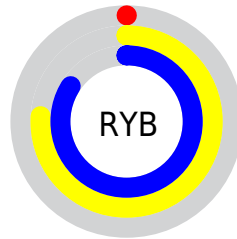
Distribution



Red (0%)

Green (84%)

Blue (8%)



Red (0%)

Yellow (76%)

Blue (84%)

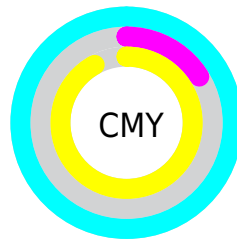


Cyan (100%)

Magenta (0%)

Yellow (90%)

Black (16%)



Cyan (100%)


Magenta (16%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.1819, 48.1473, 8.7283 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 24.1819, 48.1473, 8.7283 by changing the saturation by 10% instead.


 24.1819, 48.1473,
8.7283


 24.1819, 48.1473,
8.7283


266.1623,
379.3757, 191.4807


 15.5941, 33.9436,
4.4700


 49.7794, 87.4237,
23.9436


 9.3264, 22.8502,
1.8866


 67.5198, 113.2651,
35.7377


 5.0135, 14.4830,
0.4842


 89.0417, 143.7545,
50.8809

 2.2900, 8.4573,
0.0000

 114.7106,
179.2764, 69.7916

 0.7896, 4.3890,
0.0000

 144.8917,
220.2150, 92.8883

 0.0000, 1.8934,
0.0000

 179.9504,

 0.0000, 0.5444,

266.9548, 120.5898

0.0000

220.2522,
319.8803, 153.3144

■ 0.0000, 0.0000,
0.0000

■ 24.1819, 48.1473,
8.7283

■ 24.1819, 48.1473,
8.7283

■ 24.1831, 48.1493,
8.7294

■ 24.7537, 48.4143,
10.0759

■ 25.8409, 48.9266,
12.3034

■ 27.5831, 49.7551,
15.5303

■ 30.0633, 50.9405,
19.8555

■ 33.3521, 52.5174,
25.3662

■ 37.5119, 54.5162,
32.1406

■ 42.5988, 56.9644,
40.2502

■ 48.6643, 59.8870,
49.7614

■ 55.7559, 63.3073,
60.7360

Harmonies

Analogous

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



36.1130, 48.1473, 2.6766



24.1819, 48.1473, 8.7283



18.8578, 48.1473, 32.1750

Triad

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



24.1819, 48.1473, 8.7283



38.0011, 48.1473, 231.0817



89.7254, 48.1473, 27.8856

Complementary

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



24.1819, 48.1473, 8.7283



37.3571, 18.1465, 51.9790

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.



90.6408, 48.1473, 79.7675



24.1819, 48.1473, 8.7283



56.9940, 48.1473, 226.6267

Square

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



24.1819, 48.1473, 8.7283



25.2368, 48.1473, 169.5502



77.4164, 48.1473, 159.7786



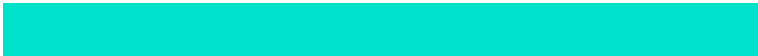
75.1794, 48.1473, 7.4206

Rectangle

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



24.1819, 48.1473, 8.7283



18.4716, 48.1473, 65.6083



77.4164, 48.1473, 159.7786



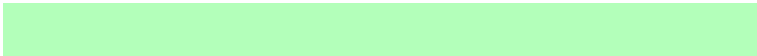
91.7530, 48.1473, 41.1364

Sweetspot

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



24.1831, 48.1493, 8.7294



63.0993, 84.5899, 59.4631



46.8568, 59.8537, 9.0833



12.7831, 17.7578, 11.5807



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



24.1831, 48.1493, 8.7294



35.9359, 71.5904, 12.8463



27.7387, 49.5716, 27.4533



12.3115, 13.9156, 13.4546



14.6340, 29.1090, 5.3685



0.9000, 1.7626, 0.4150

Inverse Universe

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



37.3571, 18.1465, 51.9790



55.5171, 26.9709, 77.1123



29.5429, 15.0208, 10.8305



12.8980, 12.6107, 15.4031



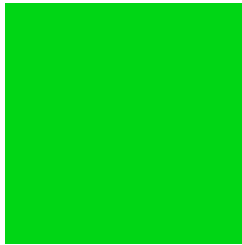
22.6007, 10.9766, 31.5310



1.3788, 0.6683, 1.9839

Previews

White Background



This preview shows how the XYZ color 24.1819, 48.1473, 8.7283 looks on a white background.

Color Contrast Check

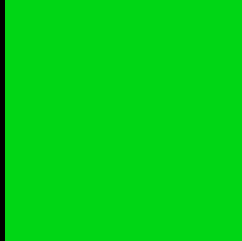
Large Text (above 18pt) WCAG AA × Fail

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 24.1819, 48.1473, 8.7283 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

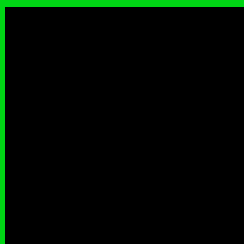
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.1819, 48.1473, 8.7283

Background



This preview shows how black text looks on a background with the XYZ color 24.1819, 48.1473, 8.7283.



This preview shows how white text looks on a background with the XYZ color 24.1819, 48.1473,

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

24.1819, 48.1473, 8.7283

Protanopia

42.3871, 46.9888, 6.8357

Deuteranopia

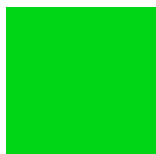
48.1524, 46.9404, 9.5401



Tritanopia

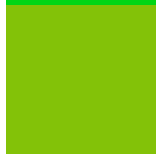
36.9056, 47.9268, 71.5956

Trichromacy



Original Color

24.1819, 48.1473, 8.7283



Protanomaly

28.6957, 43.4264, 7.0994



Deuteranomaly

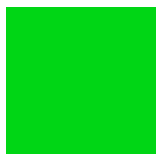
30.2035, 42.2239, 8.4776



Tritanomaly

28.3142, 46.0692, 33.7855

Monochromacy



Original Color

24.1819, 48.1473, 8.7283



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

17.5946, 27.2669, 13.7869

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1819, 48.1473, 8.7283 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, 214, 21)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 21)  
}
```

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, 214, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 21) }
```

Border

The CSS property to change the border of an element to XYZ 24.1819, 48.1473, 8.7283 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, 214, 21) }
```


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

```
.border{ border-color:rgb(0, 214, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 214, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 21);  
box-shadow:4px 4px 4px 4px rgb(0, 214, 21)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.1819, 48.1473, 8.7283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 214, 21) }
```

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

```
.background{ background-color: rgb(0, 214,  
21) }
```

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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