

Converting Colors

XYZ(24.1467, 48.2142, 8.2932)

Have a look what the booklet for
XYZ(24.1467, 48.2142, 8.2932)
contains.

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Color

**XYZ(24.0959, 48.1129,
8.2752)**

Conversions

Conversions Part 1

Format	Color
Hex	00D609
RGB	0, 214, 9
RGB Percent	0%, 84%, 4%
CMY	1.0000, 0.1608, 0.9646
CMYK	1.00, 0.00, 0.96, 0.16
HSL	123°, 100%, 42%
HSV	123°, 100%, 84%
XYZ	24.0959, 48.1129, 8.2752
YIQ	126.6440, -61.7390, -109.1230

Conversions

Conversions Part 2

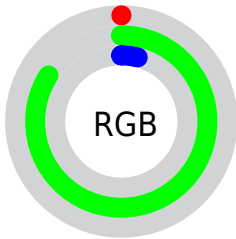
Format	Color
RYB	0, 205, 214
Decimal	54793
CIELab	74.90, -75.34, 72.00
CIELCh	75, 104.215, 136.300
Yxy	48.1129, 0.2994, 0.5978
Android (android.graphics.Color)	4278244873 (0xFF00D609)
YUV	126.6440, -57.9985, -111.0668
Hunter-Lab	69.3635, -59.3776, 41.4810

Details

The XYZ color **24.0959, 48.1129, 8.2752** 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 **38.7494, 18.7034, 59.3109**, and the grayscale version is **20.2603, 21.3154, 23.2125**.

A 20% lighter version of the original color is **43.6241, 75.3800, 21.0547**, and **12.0570, 24.1139, 4.0190** is the 20% darker color. If you saturate the color by 10%, you get **24.0970, 48.1149, 8.2763**, and if you desaturate by 10%, it is **24.5937, 48.3503, 9.2330**.

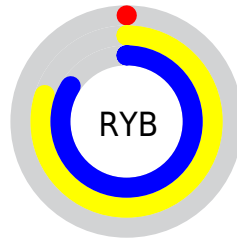
Distribution



Red (0%)

Green (84%)

Blue (4%)



Red (0%)

Yellow (80%)

Blue (84%)

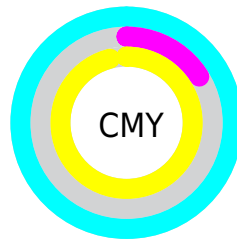


Cyan (100%)

Magenta (0%)

Yellow (96%)

Black (16%)



Cyan (100%)


Magenta (16%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.0959, 48.1129, 8.2752 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 24.0959, 48.1129, 8.2752 by changing the saturation by 10% instead.


 24.0959, 48.1129,
8.2752


 24.0959, 48.1129,
8.2752


265.7364,
379.2395, 187.8894


 15.5299, 33.9163,
4.1813


 49.6402, 87.3725,
23.0512


 9.2808, 22.8293,
1.7253


 67.3492, 113.2042,
34.5704

 4.9834, 14.4675,
0.3780


 88.8365, 143.6832,
49.4017

 2.2722, 8.4465,
0.0000

 114.4676,
179.1937, 67.9637

 0.7804, 4.3820,
0.0000

 144.6078,
220.1202, 90.6749

 0.0000, 1.8895,
0.0000

 179.6224,

 0.0000, 0.5420,

266.8471, 117.9539

0.0000

219.8769,
319.7587, 150.2192

■ 0.0000, 0.0000,
0.0000

■ 24.0959, 48.1129,
8.2752

■ 24.0959, 48.1129,
8.2752

■ 24.0970, 48.1149,
8.2763

■ 24.5937, 48.3503,
9.2330

■ 25.6117, 48.8349,
11.0964

■ 27.2970, 49.6407,
14.0237

■ 29.7378, 50.8103,
18.1416

■ 33.0090, 52.3801,
23.5588

■ 37.1761, 54.3819,
30.3720

■ 42.2985, 56.8443,
38.6684

■ 48.4302, 59.7934,
48.5283

■ 55.6213, 63.2535,
60.0264

Harmonies

Analogous

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



36.2336, 48.1129, 2.4798



24.0959, 48.1129, 8.2752



18.6493, 48.1129, 31.3282

Triad

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



24.0959, 48.1129, 8.2752



37.6201, 48.1129, 233.6487



90.4578, 48.1129, 28.1888

Complementary

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



24.0959, 48.1129, 8.2752



38.7494, 18.7034, 59.3109

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.



91.1346, 48.1129, 81.2422



24.0959, 48.1129, 8.2752



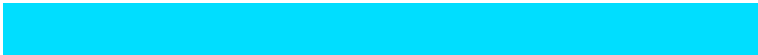
56.7553, 48.1129, 230.3396

Square

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



24.0959, 48.1129, 8.2752



24.8676, 48.1129, 170.0891



77.5106, 48.1129, 162.8437



75.8584, 48.1129, 7.3337

Rectangle

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



24.0959, 48.1129, 8.2752



18.2031, 48.1129, 64.7117



77.5106, 48.1129, 162.8437



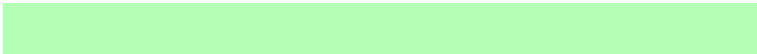
92.4360, 48.1129, 41.7354

Sweetspot

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



24.0970, 48.1149, 8.2763



62.6503, 84.4103, 57.0989



49.7435, 61.3419, 9.2184



12.6812, 17.7170, 11.0439



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.



24.0970, 48.1149, 8.2763



35.8190, 71.5436, 12.2307



27.0925, 49.3131, 24.0505



12.2834, 13.9044, 13.3070



14.5741, 29.0850, 5.0528



0.8867, 1.7573, 0.3450

Inverse Universe

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



38.7494, 18.7034, 59.3109



57.6062, 27.8065, 88.1133



30.0266, 15.2143, 13.3774



12.9293, 12.6232, 15.5682



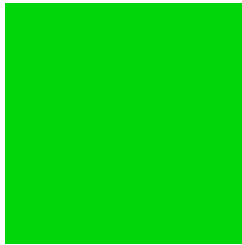
23.4306, 11.3086, 35.9012



1.4204, 0.6850, 2.2032

Previews

White Background



This preview shows how the XYZ color 24.0959, 48.1129, 8.2752 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 24.0959, 48.1129, 8.2752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

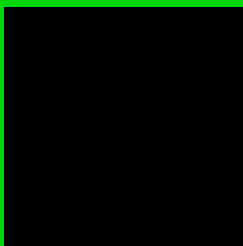
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

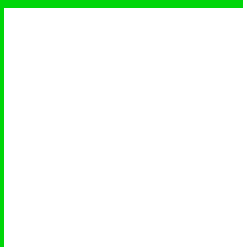
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.0959, 48.1129, 8.2752

Background



This preview shows how black text looks on a background with the XYZ color 24.0959, 48.1129, 8.2752.



This preview shows how white text looks on a background with the XYZ color 24.0959, 48.1129,

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

24.0959, 48.1129, 8.2752

Protanopia

42.3871, 46.9888, 6.8357

Deuteranopia

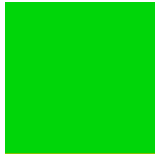
48.0898, 46.9154, 9.2103



Tritanopia

36.9056, 47.9268, 71.5956

Trichromacy



Original Color

24.0959, 48.1129, 8.2752



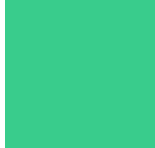
Protanomaly

28.6683, 43.4154, 6.9552



Deuteranomaly

30.1118, 42.1872, 7.9947



Tritanomaly

28.0138, 45.9490, 32.2035

Monochromacy



Original Color

24.0959, 48.1129, 8.2752



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

17.3917, 27.1857, 12.7182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0959, 48.1129, 8.2752 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, 9)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 9)  
}
```

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, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 9) }
```

Border

The CSS property to change the border of an element to XYZ 24.0959, 48.1129, 8.2752 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, 9) }
```


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

```
.border{ border-color:rgb(0, 214, 9) }
```

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, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 214, 9); box-shadow:4px  
4px 4px 4px rgb(0, 214, 9) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0959, 48.1129, 8.2752 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, 9) }
```

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

```
.background{ background-color: rgb(0, 214,  
9) }
```

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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