

Converting Colors

XYZ(24.2484, 48.2724, 8.0395)

Have a look what the booklet for
XYZ(24.2484, 48.2724, 8.0395)
contains.

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Color

**XYZ(24.1982, 48.1713,
8.0226)**

Conversions

Conversions Part 1

Format	Color
Hex	0CD600
RGB	12, 214, 0
RGB Percent	5%, 84%, 0%
CMY	0.9529, 0.1608, 0.9999
CMYK	0.94, 0.00, 1.00, 0.16
HSL	117°, 100%, 42%
HSV	117°, 100%, 84%
XYZ	24.1982, 48.1713, 8.0226
YIQ	129.2060, -51.6980, -109.3780

Conversions

Conversions Part 2

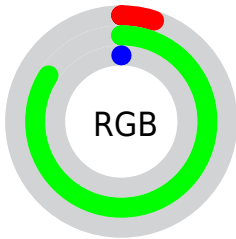
Format	Color
RYB	0, 214, 202
Decimal	841216
CIELab	74.93, -75.05, 72.93
CIELCh	75, 104.655, 135.821
Yxy	48.1713, 0.3010, 0.5992
Android (android.graphics.Color)	4279031296 (0xFF0CD600)
YUV	129.2060, -63.6986, -102.7897
Hunter-Lab	69.4055, -59.2258, 41.7305

Details

The XYZ color **24.1982, 48.1713, 8.0226** 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 **36.5031, 17.4163, 65.0586**, and the grayscale version is **21.1703, 22.2728, 24.2551**.

A 20% lighter version of the original color is **43.7906, 75.4751, 20.6477**, and **12.0570, 24.1139, 4.0190** is the 20% darker color. If you saturate the color by 10%, you get **24.1988, 48.1731, 8.0229**, and if you desaturate by 10%, it is **24.7889, 48.4612, 8.7778**.

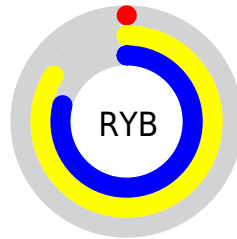
Distribution



Red (5%)

Green (84%)

Blue (0%)



Red (0%)

Yellow (84%)

Blue (79%)

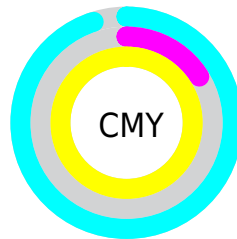


Cyan (94%)

Magenta (0%)

Yellow (100%)

Black (16%)



Cyan (95%)


Magenta (16%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.1982, 48.1713, 8.0226 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 24.1982, 48.1713, 8.0226 by changing the saturation by 10% instead.


 24.1982, 48.1713,
8.0226


 24.1982, 48.1713,
8.0226


266.2429,
379.4707, 185.8504


 15.6062, 33.9626,
4.0214


 49.8058, 87.4594,
22.5496


 9.3350, 22.8648,
1.6371


 67.5521, 113.3075,
33.9126


 5.0192, 14.4937,
0.3171


 89.0806, 143.8043,
48.5666

 2.2934, 8.4649,
0.0000

 114.7566,
179.3340, 66.9301

 0.7913, 4.3938,
0.0000

 144.9454,
220.2811, 89.4217

 0.0000, 1.8962,
0.0000

 180.0126,

 0.0000, 0.5461,

267.0300, 116.4599

0.0000

220.3233,
319.9651, 148.4633

■ 0.0000, 0.0000,
0.0000

■ 24.1982, 48.1713,
8.0226

■ 24.1982, 48.1713,
8.0226

■ 24.1988, 48.1731,
8.0229

■ 24.7889, 48.4612,
8.7778

■ 25.9176, 49.0091,
10.3626

■ 27.6976, 49.8691,
13.0503

■ 30.2075, 51.0783,
16.9926

■ 33.5148, 52.6689,
22.3173

■ 37.6793, 54.6691,
29.1364

■ 42.7551, 57.1048,
37.5507

■ 48.7917, 59.9995,
47.6520

■ 55.8352, 63.3751,
59.5253

Harmonies

Analogous

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



36.4968, 48.1713, 2.4017



24.1982, 48.1713, 8.0226



18.6380, 48.1713, 30.6989

Triad

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



24.1982, 48.1713, 8.0226



37.3762, 48.1713, 234.4116



90.9128, 48.1713, 28.7098

Complementary

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



24.1982, 48.1713, 8.0226



36.5031, 17.4163, 65.0586

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.



91.3430, 48.1713, 82.6161



24.1982, 48.1713, 8.0226



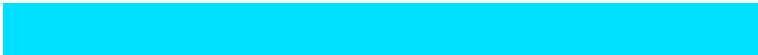
56.5297, 48.1713, 232.3049

Square

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



24.1982, 48.1713, 8.0226



24.6871, 48.1713, 169.5940



77.4458, 48.1713, 164.9840



76.3959, 48.1713, 7.4293

Rectangle

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



24.1982, 48.1713, 8.0226



18.1328, 48.1713, 63.8401



77.4458, 48.1713, 164.9840



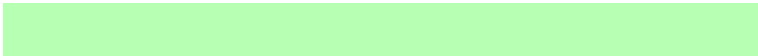
92.8220, 48.1713, 42.5029

Sweetspot

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



24.1993, 48.1733, 8.0237



63.3227, 84.7950, 55.4128



48.3266, 55.4844, 8.1632



12.8332, 17.8040, 10.6632



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.



24.1993, 48.1733, 8.0237



35.9453, 71.6155, 11.9287



26.0126, 48.8811, 18.3619



12.3261, 13.9288, 13.1996



14.6543, 29.1309, 4.8505



0.9070, 1.7690, 0.2936

Inverse Universe

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



36.5031, 17.4163, 65.0586



54.2330, 25.8730, 96.7433



31.2013, 15.6846, 19.5623



12.8812, 12.5957, 15.6898



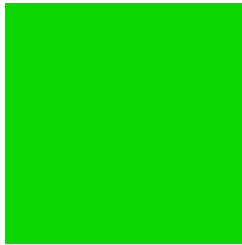
22.0925, 10.5416, 39.3235



1.3539, 0.6469, 2.3728

Previews

White Background



This preview shows how the XYZ color 24.1982, 48.1713, 8.0226 looks on a white background.

Color Contrast Check

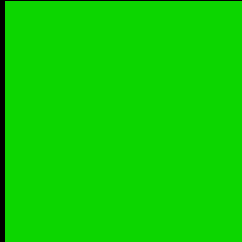
Large Text (above 18pt) WCAG AA × Fail

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 24.1982, 48.1713, 8.0226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

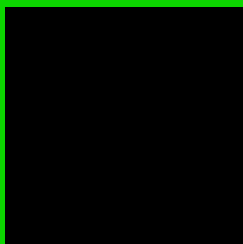
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.1982, 48.1713, 8.0226

Background



This preview shows how black text looks on a background with the XYZ color 24.1982, 48.1713, 8.0226.



This preview shows how white text looks on a background with the XYZ color 24.1982, 48.1713,

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

24.1982, 48.1713, 8.0226

Protanopia

42.3871, 46.9888, 6.8357

Deuteranopia

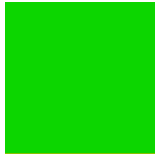
48.0698, 46.9074, 9.1052



Tritanopia

36.9056, 47.9268, 71.5956

Trichromacy



Original Color

24.1982, 48.1713, 8.0226



Protanomaly

29.2835, 43.7345, 6.8982



Deuteranomaly

30.9675, 42.6345, 7.7595



Tritanomaly

28.0948, 46.0160, 31.0681

Monochromacy



Original Color

24.1982, 48.1713, 8.0226



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

17.9315, 27.7292, 12.3898

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1982, 48.1713, 8.0226 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(12, 214, 0)` looks like.

```
.text, #text, p{  
    color:rgb(12, 214, 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(12, 214, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 214, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.1982, 48.1713, 8.0226 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(12, 214, 0) }
```


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

```
.border{ border-color:rgb(12, 214, 0) }
```

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

Here you see how a box with a 4 pixel rgb(12, 214, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 214, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 214, 0);  
box-shadow:4px 4px 4px 4px rgb(12, 214, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.1982, 48.1713, 8.0226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 214, 0) }
```

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

```
.background{ background-color: rgb(12, 214,  
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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