

Converting Colors

XYZ(24.4466, 48.1357, 8.9431)

Have a look what the booklet for
XYZ(24.4466, 48.1357, 8.9431)
contains.

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Color

**XYZ(24.5313, 48.3228,
8.9540)**

Conversions

Conversions Part 1

Format	Color
Hex	15D619
RGB	21, 214, 25
RGB Percent	8%, 84%, 10%
CMY	0.9177, 0.1608, 0.9019
CMYK	0.90, 0.00, 0.88, 0.16
HSL	121°, 82%, 46%
HSV	121°, 90%, 84%
XYZ	24.5313, 48.3228, 8.9540
YIQ	134.7470, -54.3590, -99.6950

Conversions

Conversions Part 2

Format	Color
RYB	21, 210, 214
Decimal	1431065
CIELab	75.03, -74.02, 69.97
CIELCh	75, 101.857, 136.609
Yxy	48.3228, 0.2999, 0.5907
Android (android.graphics.Color)	4279621145 (0xFF15D619)
YUV	134.7470, -54.1053, -99.7561
Hunter-Lab	69.5146, -58.6589, 41.0232

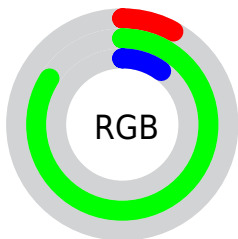
Details

The XYZ color **24.5313, 48.3228, 8.9540** is a dark color, and the websafe version is hex **00CC00**.

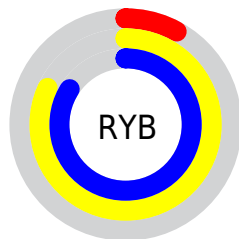
The color can be described as dark washed green. A complement of this color would be **39.6324, 19.4857, 62.6383**, and the grayscale version is **23.1453, 24.3506, 26.5178**.

A 20% lighter version of the original color is **44.3739, 75.7375, 22.4053**, and **12.0570, 24.1139, 4.0190** is the 20% darker color. If you saturate the color by 10%, you get **24.0720, 48.1049, 8.1443**, and if you desaturate by 10%, it is **25.5114, 48.7929, 10.6549**.

Distribution



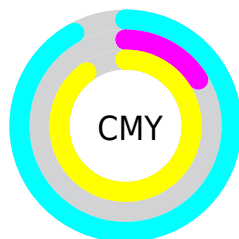
- Red (8%)
- Green (84%)
- Blue (10%)



- Red (8%)
- Yellow (82%)
- Blue (84%)



- Cyan (90%)
- Magenta (0%)
- Yellow (88%)
- Black (16%)





- Cyan (92%)
- Magenta (16%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.5313, 48.3228, 8.9540 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 24.5313, 48.3228, 8.9540 by changing the saturation by 10% instead.


 24.5313, 48.3228,
8.9540


 24.5313, 48.3228,
8.9540


267.8866,
380.0702, 193.2398


 15.8551, 34.0826,
4.6148


 50.3442, 87.6848,
24.3848


 9.5119, 22.9571,
1.9683


 68.2116, 113.5754,
36.3135


 5.1363, 14.5618,
0.5357


 89.8735, 144.1183,
51.6092

 2.3630, 8.5124,
0.0000

 115.6951,
179.6978, 70.6902

 0.8266, 4.4246,
0.0000

 146.0418,
220.6983, 93.9753

 0.0000, 1.9138,
0.0000

 181.2791,

 0.0000, 0.5566,

267.5043, 121.8829

0.0000

221.7722,
320.5002, 154.8315

■ 0.0000, 0.0000,
0.0000

■ 24.5313, 48.3228,
8.9540

■ 24.5313, 48.3228,
8.9540

■ 24.0720, 48.1049,
8.1443


■ 25.5114, 48.7929,
10.6549


■ 27.1598, 49.5828,
13.4372


■ 29.5685, 50.7384,
17.4414

■ 32.8145, 52.2968,
22.7861

■ 36.9650, 54.2905,
29.5761

 42.0806, 56.7486,
37.9055

 48.2167, 59.6979,
47.8606

 55.4243, 63.1629,
59.5215

 63.7513, 67.1668,
72.9626

Harmonies

Analogous

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



36.4448, 48.3228, 2.8436



24.5313, 48.3228, 8.9540



19.1802, 48.3228, 32.2781

Triad

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



24.5313, 48.3228, 8.9540



38.1336, 48.3228, 228.4312



89.4406, 48.3228, 28.4293

Complementary

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



24.5313, 48.3228, 8.9540



39.6324, 19.4857, 62.6383

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.



90.2539, 48.3228, 80.0841



24.5313, 48.3228, 8.9540



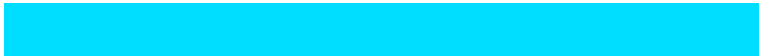
56.9314, 48.3228, 224.4907

Square

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



24.5313, 48.3228, 8.9540



25.4785, 48.3228, 167.6858



77.1345, 48.3228, 159.0278



75.1446, 48.3228, 7.7617

Rectangle

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



24.5313, 48.3228, 8.9540



18.7726, 48.3228, 65.3089



77.1345, 48.3228, 159.0278



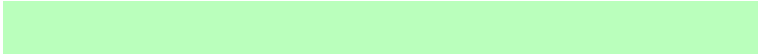
91.4115, 48.3228, 41.6833

Sweetspot

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



24.5324, 48.3248, 8.9551



65.0783, 85.5907, 60.4317



50.9860, 61.9668, 9.9830



13.2994, 18.0172, 11.9115



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.



24.5324, 48.3248, 8.9551



35.7891, 71.5316, 12.0730



27.7907, 49.6281, 26.1132



12.2728, 13.9001, 13.2510



14.5541, 29.0770, 4.9474



0.8816, 1.7553, 0.3182

Inverse Universe

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



39.6324, 19.4857, 62.6383



58.4477, 28.1431, 92.5447



31.0544, 16.0544, 17.4668



12.9414, 12.6280, 15.6315



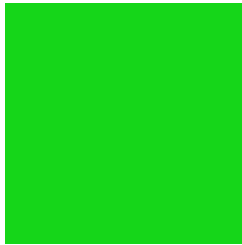
23.7644, 11.4421, 37.6591



1.4370, 0.6916, 2.2905

Previews

White Background



This preview shows how the XYZ color 24.5313, 48.3228, 8.9540 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 24.5313, 48.3228, 8.9540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

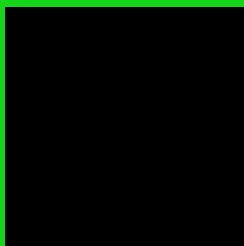
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.5313, 48.3228, 8.9540

Background



This preview shows how black text looks on a background with the XYZ color 24.5313, 48.3228, 8.9540.



This preview shows how white text looks on a background with the XYZ color 24.5313, 48.3228,

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

24.5313, 48.3228, 8.9540

Protanopia

42.4597, 47.0178, 7.2183

Deuteranopia

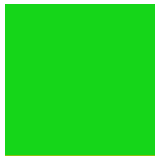
48.3890, 47.3430, 9.8366



Tritanopia

37.0035, 47.9773, 71.6002

Trichromacy



Original Color

24.5313, 48.3228, 8.9540



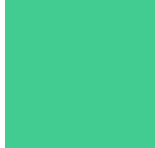
Protanomaly

30.0404, 44.1130, 7.4617



Deuteranomaly

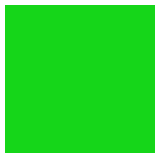
31.9419, 43.4324, 8.8903



Tritanomaly

29.0279, 46.4193, 34.6240

Monochromacy



Original Color

24.5313, 48.3228, 8.9540



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

19.9571, 29.7568, 15.5183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5313, 48.3228, 8.9540 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(21, 214, 25)` looks like.

```
.text, #text, p{  
    color:rgb(21, 214, 25)  
}
```

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(21, 214, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 214, 25) }
```

Border

The CSS property to change the border of an element to XYZ 24.5313, 48.3228, 8.9540 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(21, 214, 25) }
```


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

```
.border{ border-color:rgb(21, 214, 25) }
```

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

Here you see how a box with a 4 pixel rgb(21, 214, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 214, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 214, 25);  
box-shadow:4px 4px 4px 4px rgb(21, 214,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5313, 48.3228, 8.9540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 214, 25) }
```

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

```
.background{ background-color: rgb(21, 214,  
25) }
```

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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