

Converting Colors

XYZ(25.8849, 51.0494, 9.2462)

Have a look what the booklet for
XYZ(25.8849, 51.0494, 9.2462)
contains.

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Color

**XYZ(25.8072, 50.8915,
9.2219)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 16DB16 |
| RGB | 22, 219, 22 |
| RGB Percent | 9%, 86%, 9% |
| CMY | 0.9137, 0.1412, 0.9137 |
| CMYK | 0.90, 0.00, 0.90, 0.14 |
| HSL | 120°, 82%, 47% |
| HSV | 120°, 90%, 86% |
| XYZ | 25.8072, 50.8915, 9.2219 |
| YIQ | 137.6390, -54.1750, -103.0310 |

Conversions

Conversions Part 2

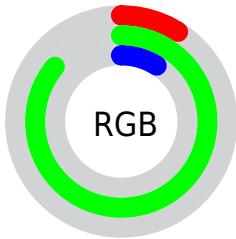
| Format | Color |
|-------------------------------------|----------------------------------|
| R_{YB} | 22, 219, 219 |
| Decimal | 1497878 |
| CIE _{Lab} | 76.61, -75.42, 71.85 |
| CIE _{LCh} | 77, 104.167, 136.392 |
| Yxy | 50.8915, 0.3004, 0.5923 |
| Android (android.graphics.Color) | 4279687958 (0xFF16DB16) |
| YUV | 137.6390, -57.0100, -101.4154 |
| Hunter-Lab | 71.3383, -60.2682, 42.2724 |

Details

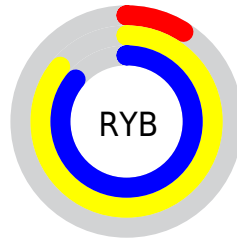
The XYZ color **25.8072, 50.8915, 9.2219** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **42.2863, 20.7484, 68.7865**, and the grayscale version is **24.2466, 25.5093, 27.7796**.

A 20% lighter version of the original color is **44.5878, 75.8527, 22.1886**, and **12.9203, 25.8407, 4.3068** is the 20% darker color. If you saturate the color by 10%, you get **25.3344, 50.6659, 8.4476**, and if you desaturate by 10%, it is **26.8200, 51.3795, 10.8781**.

Distribution



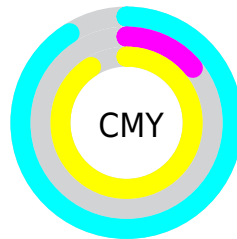
- Red (9%)
- Green (86%)
- Blue (9%)



- Red (9%)
- Yellow (86%)
- Blue (86%)



- Cyan (90%)
- Magenta (0%)
- Yellow (90%)
- Black (14%)



- Cyan (91%)
- Magenta (14%)
- Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.8072, 50.8915, 9.2219 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 25.8072, 50.8915, 9.2219 by changing the saturation by 10% instead.

■ 25.8072, 50.8915,
9.2219

■ 25.8072, 50.8915,
9.2219

274.1084,
390.1421, 195.3033

■ 16.8114, 36.1223,
4.7874

■ 52.3973, 91.4944,
24.9058

■ 10.1946, 24.5286,
2.0665

■ 70.7222, 118.0968,
36.9923

■ 5.5914, 15.7262,
0.5957

■ 92.8876, 149.4124,
52.4666

■ 2.6365, 9.3306,
0.0000

■ 119.2588,
185.8256, 71.7472

■ 0.9646, 4.9575,
0.0000

■ 150.2011,
227.7208, 95.2526

■ 0.0000, 2.2223,
0.0000

■ 186.0799,

■ 0.0000, 0.7321,

275.4823, 123.4014

0.0000

227.2606,
329.4946, 156.6122

■ 0.0000, 0.0000,
0.0000

■ 25.8072, 50.8915,
9.2219

■ 25.8072, 50.8915,
9.2219

■ 25.3344, 50.6659,
8.4476

■ 26.8200, 51.3795,
10.8781

■ 25.3326, 50.6651,
8.4446

■ 28.5438, 52.2076,
13.6980

■ 31.0784, 53.4250,
17.8441

■ 34.5069, 55.0719,
23.4521

■ 38.9020, 57.1831,
30.6412

■ 44.3291, 59.7901,
39.5182

■ 50.8479, 62.9214,
50.1806

■ 58.5135, 66.6035,
62.7186

■ 67.3772, 70.8612,
77.2162

Harmonies

Analogous

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



38.4526, 50.8915, 2.9025



25.8072, 50.8915, 9.2219



20.1126, 50.8915, 33.6127

Triad

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



25.8072, 50.8915, 9.2219



39.9974, 50.8915, 241.7661



94.5506, 50.8915, 30.0969

Complementary

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



25.8072, 50.8915, 9.2219



42.2863, 20.7484, 68.7865

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.



95.2968, 50.8915, 85.0443



25.8072, 50.8915, 9.2219



59.8629, 50.8915, 238.1441

Square

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



25.8072, 50.8915, 9.2219



26.6722, 50.8915, 176.8646



81.2952, 50.8915, 168.9123



79.4705, 50.8915, 8.1402

Rectangle

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



25.8072, 50.8915, 9.2219



19.6551, 50.8915, 68.3828



81.2952, 50.8915, 168.9123



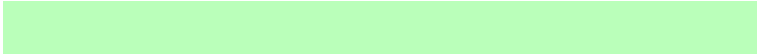
96.6034, 50.8915, 44.1951

Sweetspot

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



25.8084, 50.8936, 9.2230



64.9256, 85.5297, 59.6278



54.6919, 65.7836, 10.5740



13.2648, 18.0033, 11.7292



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.



25.8084, 50.8936, 9.2230



35.7601, 71.5200, 11.9205



29.0842, 52.2039, 26.4730



12.8866, 14.6063, 13.8659



15.0205, 30.0408, 5.0072



0.9731, 1.9462, 0.3245

Inverse Universe

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



42.2863, 20.7484, 68.7865



59.2869, 28.4788, 96.9639



32.9222, 17.0028, 19.4762



13.6144, 13.2749, 16.4967



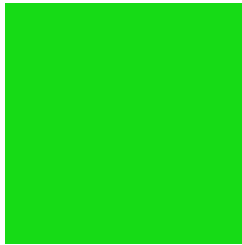
24.9025, 11.9620, 40.7282



1.6133, 0.7750, 2.6386

Previews

White Background



This preview shows how the XYZ color 25.8072, 50.8915, 9.2219 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 25.8072, 50.8915, 9.2219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

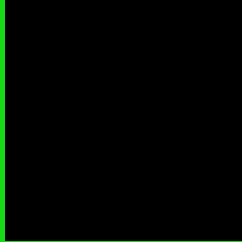
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 25.8072, 50.8915, 9.2219

Background



This preview shows how black text looks on a background with the XYZ color 25.8072, 50.8915, 9.2219.



This preview shows how white text looks on a background with the XYZ color 25.8072, 50.8915,

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

25.8072, 50.8915, 9.2219

Protanopia

44.8472, 49.8153, 7.2516

Deuteranopia

50.7789, 49.7420, 10.0568



Tritanopia

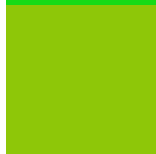
39.0253, 50.6802, 75.4356

Trichromacy



Original Color

25.8072, 50.8915, 9.2219



Protanomaly

31.6226, 46.6152, 7.5607



Deuteranomaly

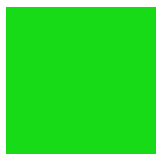
33.5535, 45.5622, 9.0334



Tritanomaly

30.4605, 48.9323, 35.8564

Monochromacy



Original Color

25.8072, 50.8915, 9.2219



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

20.7539, 30.9688, 15.9501

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8072, 50.8915, 9.2219 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(22, 219, 22)` looks like.

```
.text, #text, p{  
    color:rgb(22, 219, 22)  
}
```

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(22, 219, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 219, 22) }
```

Border

The CSS property to change the border of an element to XYZ 25.8072, 50.8915, 9.2219 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(22, 219, 22) }
```


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

```
.border{ border-color:rgb(22, 219, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 219, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 219, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 219, 22);  
box-shadow:4px 4px 4px 4px rgb(22, 219,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8072, 50.8915, 9.2219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 219, 22) }
```

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

```
.background{ background-color: rgb(22, 219,  
22) }
```

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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