

Converting Colors

XYZ(25.4100, 50.8198, 8.4700)

Have a look what the booklet for
XYZ(25.4100, 50.8198, 8.4700)
contains.

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Color

**XYZ(25.3315, 50.6630,
8.4438)**

Conversions

Conversions Part 1

Format	Color
Hex	00DB00
RGB	0, 219, 0
RGB Percent	0%, 86%, 0%
CMY	1.0000, 0.1412, 0.9999
CMYK	1.00, 0.00, 1.00, 0.14
HSL	120°, 100%, 43%
HSV	120°, 100%, 86%
XYZ	25.3315, 50.6630, 8.4438
YIQ	128.5530, -60.2250, -114.5370

Conversions

Conversions Part 2

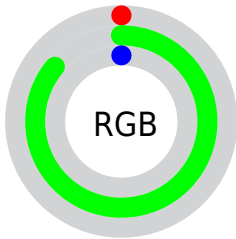
Format	Color
RYB	0, 219, 219
Decimal	56064
CIELab	76.47, -76.83, 74.15
CIELCh	76, 106.774, 136.016
Yxy	50.6630, 0.3000, 0.6000
Android (android.graphics.Color)	4278246144 (0xFF00DB00)
YUV	128.5530, -63.3766, -112.7410
Hunter-Lab	71.1779, -61.0351, 42.7910

Details

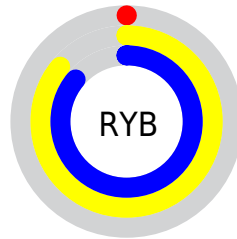
The XYZ color **25.3315, 50.6630, 8.4438** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **41.9978, 20.1740, 68.6829**, and the grayscale version is **20.9415, 22.0320, 23.9929**.

A 20% lighter version of the original color is **43.8301, 75.4909, 20.8554**, and **12.9203, 25.8407, 4.3068** is the 20% darker color. If you saturate the color by 10%, you get **25.3327, 50.6651, 8.4449**, and if you desaturate by 10%, it is **25.8053, 50.8921, 9.2183**.

Distribution



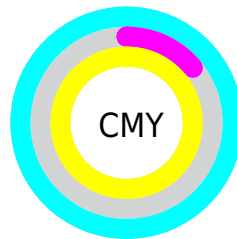
- Red (0%)
- Green (86%)
- Blue (0%)



- Red (0%)
- Yellow (86%)
- Blue (86%)



- Cyan (100%)
- Magenta (0%)
- Yellow (100%)
- Black (14%)





- Cyan (100%)
- Magenta (14%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.3315, 50.6630, 8.4438 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 25.3315, 50.6630, 8.4438 by changing the saturation by 10% instead.


 25.3315, 50.6630,
8.4438


 25.3315, 50.6630,
8.4438


271.8021,
389.2530, 189.2354


 16.4543, 35.9405,
4.2884


 51.6335, 91.1564,
23.3844


 9.9390, 24.3882,
1.7849


 69.7890, 117.6961,
35.0066

 5.4205, 15.6219,
0.4179


 91.7680, 148.9437,
49.9548

 2.5333, 9.2570,
0.0000

 117.9358,
185.2835, 68.6477

 0.9121, 4.9092,
0.0000

 148.6577,
227.0999, 91.5036

 0.0000, 2.1941,
0.0000

 184.2992,

 0.0000, 0.7168,

274.7774, 118.9411

0.0000

225.2255,
328.7003, 151.3789

■ 0.0000, 0.0000,
0.0000

■ 25.3315, 50.6630,
8.4438

■ 25.3315, 50.6630,
8.4438

■ 25.3327, 50.6651,
8.4449

■ 25.8053, 50.8921,
9.2183

■ 26.8140, 51.3766,
10.8688

■ 28.5344, 52.2030,
13.6834

■ 31.0651, 53.4186,
17.8232

■ 34.4894, 55.0635,
23.4245

■ 38.8799, 57.1725,
30.6061

■ 44.3022, 59.7771,
39.4750

■ 50.8159, 62.9059,
50.1288

■ 58.4760, 66.5855,
62.6577

Harmonies

Analogous

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



38.2465, 50.6630, 2.4953



25.3315, 50.6630, 8.4438



19.5180, 50.6630, 32.4821

Triad

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



25.3315, 50.6630, 8.4438



39.3946, 50.6630, 247.7296



95.7482, 50.6630, 29.8876

Complementary

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



25.3315, 50.6630, 8.4438



41.9978, 20.1740, 68.6829

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.



96.3109, 50.6630, 86.5129



25.3315, 50.6630, 8.4438



59.6390, 50.6630, 244.9713

Square

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



25.3315, 50.6630, 8.4438



25.9691, 50.6630, 179.5046



81.7095, 50.6630, 173.4713



80.3369, 50.6630, 7.6733

Rectangle

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



25.3315, 50.6630, 8.4438



19.0111, 50.6630, 67.6129



81.7095, 50.6630, 173.4713



97.8008, 50.6630, 44.3444

Sweetspot

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



25.3327, 50.6651, 8.4449



62.3222, 84.2791, 55.3708



54.5471, 65.7257, 9.8114



12.6071, 17.6874, 10.6537



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.



25.3327, 50.6651, 8.4449



35.7602, 71.5201, 11.9209



28.1200, 51.7800, 23.1226



12.8866, 14.6063, 13.8660



15.0205, 30.0408, 5.0074



0.9731, 1.9462, 0.3245

Inverse Universe

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



41.9978, 20.1740, 68.6829



59.2851, 28.4780, 96.9542



32.0020, 16.1757, 16.0457



13.6144, 13.2748, 16.4965



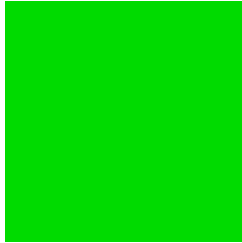
24.9018, 11.9617, 40.7243



1.6133, 0.7749, 2.6384

Previews

White Background



This preview shows how the XYZ color 25.3315, 50.6630, 8.4438 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 25.3315, 50.6630, 8.4438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

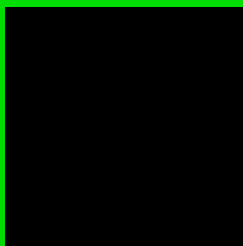
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

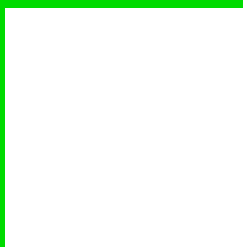
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.3315, 50.6630, 8.4438

Background



This preview shows how black text looks on a background with the XYZ color 25.3315, 50.6630, 8.4438.



This preview shows how white text looks on a background with the XYZ color 25.3315, 50.6630,

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

25.3315, 50.6630, 8.4438

Protanopia

44.6343, 49.3895, 7.1807

Deuteranopia

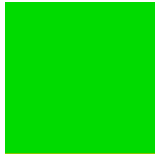
50.5166, 49.3198, 9.6535



Tritanopia

38.9248, 50.6283, 75.4308

Trichromacy



Original Color

25.3315, 50.6630, 8.4438



Protanomaly

30.2549, 45.9152, 7.2679



Deuteranomaly

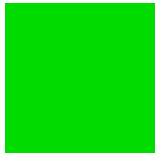
31.6746, 44.2822, 8.1742



Tritanomaly

29.3377, 48.4242, 32.6115

Monochromacy



Original Color

25.3315, 50.6630, 8.4438



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

17.9230, 28.2437, 12.4896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.3315, 50.6630, 8.4438 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, 219, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 219, 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(0, 219, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 0) }
```

Border

The CSS property to change the border of an element to XYZ 25.3315, 50.6630, 8.4438 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, 219, 0) }
```


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

```
.border{ border-color:rgb(0, 219, 0) }
```

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

Here you see how a box with a 4 pixel rgb(0, 219, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 219, 0); box-shadow:4px  
4px 4px 4px rgb(0, 219, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 25.3315, 50.6630, 8.4438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 219, 0) }
```

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

```
.background{ background-color: rgb(0, 219,  
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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