

Converting Colors

XYZ(25.3659, 50.6849, 8.6002)

Have a look what the booklet for
XYZ(25.3659, 50.6849, 8.6002)
contains.

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Color

**XYZ(25.3589, 50.6740,
8.5881)**

Conversions

Conversions Part 1

Format	Color
Hex	00DB05
RGB	0, 219, 5
RGB Percent	0%, 86%, 2%
CMY	1.0000, 0.1412, 0.9803
CMYK	1.00, 0.00, 0.98, 0.14
HSL	121°, 100%, 43%
HSV	121°, 100%, 86%
XYZ	25.3589, 50.6740, 8.5881
YIQ	129.1230, -61.8300, -112.9820

Conversions

Conversions Part 2

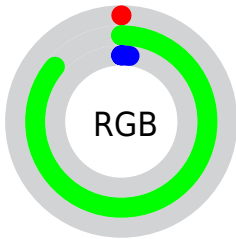
Format	Color
RYB	0, 214, 219
Decimal	56069
CIELab	76.48, -76.74, 73.68
CIELCh	76, 106.385, 136.166
Yxy	50.6740, 0.2997, 0.5988
Android (android.graphics.Color)	4278246149 (0xFF00DB05)
YUV	129.1230, -61.1926, -113.2409
Hunter-Lab	71.1857, -60.9868, 42.6770

Details

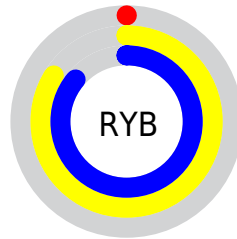
The XYZ color **25.3589, 50.6740, 8.5881** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **41.3491, 19.9145, 65.2667**, and the grayscale version is **21.1350, 22.2356, 24.2146**.

A 20% lighter version of the original color is **43.8701, 75.5069, 21.0662**, and **12.9203, 25.8407, 4.3068** is the 20% darker color. If you saturate the color by 10%, you get **25.3601, 50.6761, 8.5892**, and if you desaturate by 10%, it is **25.8525, 50.9110, 9.4667**.

Distribution



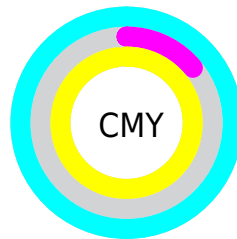
- Red (0%)
- Green (86%)
- Blue (2%)



- Red (0%)
- Yellow (84%)
- Blue (86%)



- Cyan (100%)
- Magenta (0%)
- Yellow (98%)
- Black (14%)





- Cyan (100%)
- Magenta (14%)
- Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.3589, 50.6740, 8.5881 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 25.3589, 50.6740, 8.5881 by changing the saturation by 10% instead.


 25.3589, 50.6740,
8.5881


 25.3589, 50.6740,
8.5881


271.9354,
389.2959, 190.3782


 16.4748, 35.9492,
4.3804


 51.6776, 91.1727,
23.6685


 9.9537, 24.3950,
1.8363


 69.8429, 117.7154,
35.3782

 5.4303, 15.6269,
0.4517


 91.8326, 148.9663,
50.4257

 2.5392, 9.2605,
0.0000

 118.0121,
185.3096, 69.2294

 0.9151, 4.9115,
0.0000

 148.7468,
227.1298, 92.2080

 0.0000, 2.1954,
0.0000

 184.4020,

 0.0000, 0.7175,

274.8114, 119.7800

0.0000

225.3431,
328.7386, 152.3639

■ 0.0000, 0.0000,
0.0000

■ 25.3589, 50.6740,
8.5881

■ 25.3589, 50.6740,
8.5881

■ 25.3601, 50.6761,
8.5892

■ 25.8525, 50.9110,
9.4667

■ 26.8926, 51.4081,
11.2826

■ 28.6403, 52.2454,
14.2411

■ 31.1913, 53.4692,
18.4881

■ 34.6267, 55.1184,
24.1478

■ 39.0173, 57.2275,
31.3300

■ 44.4272, 59.8271,
40.1335

■ 50.9145, 62.9454,
50.6489

■ 58.5333, 66.6085,
62.9600

Harmonies

Analogous

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



38.2056, 50.6740, 2.5568



25.3589, 50.6740, 8.5881



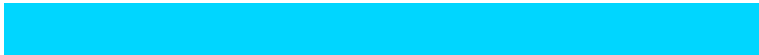
19.5856, 50.6740, 32.7573

Triad

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



25.3589, 50.6740, 8.5881



39.5195, 50.6740, 246.8838



95.5060, 50.6740, 29.7851

Complementary

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



25.3589, 50.6740, 8.5881



41.3491, 19.9145, 65.2667

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.



96.1485, 50.6740, 86.0189



25.3589, 50.6740, 8.5881



59.7181, 50.6740, 243.7383

Square

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



25.3589, 50.6740, 8.5881



26.0894, 50.6740, 179.3324



81.6795, 50.6740, 172.4484



80.1114, 50.6740, 7.7009

Rectangle

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



25.3589, 50.6740, 8.5881



19.0982, 50.6740, 67.9080



81.6795, 50.6740, 172.4484



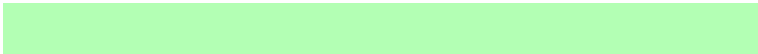
97.5753, 50.6740, 44.1429

Sweetspot

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



25.3601, 50.6761, 8.5892



62.4994, 84.3500, 56.3042



53.4609, 65.1658, 9.7606



12.6471, 17.7034, 10.8642



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.



25.3601, 50.6761, 8.5892



35.7921, 71.5328, 12.0889



28.3218, 51.8608, 24.1851



12.8986, 14.6111, 13.9289



15.0422, 30.0495, 5.1217



0.9789, 1.9485, 0.3548

Inverse Universe

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



41.3491, 19.9145, 65.2667



58.3616, 28.1086, 92.0910



31.8084, 16.0982, 15.0261



13.6008, 13.2694, 16.4251



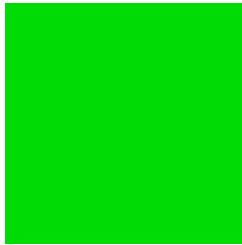
24.5230, 11.8102, 38.7297



1.5929, 0.7668, 2.5312

Previews

White Background



This preview shows how the XYZ color 25.3589, 50.6740, 8.5881 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 25.3589, 50.6740, 8.5881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

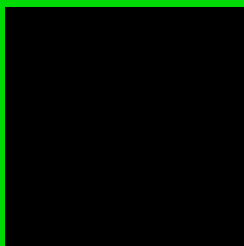
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 25.3589, 50.6740, 8.5881

Background



This preview shows how black text looks on a background with the XYZ color 25.3589, 50.6740, 8.5881.



This preview shows how white text looks on a background with the XYZ color 25.3589, 50.6740,

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

25.3589, 50.6740, 8.5881

Protanopia

44.6343, 49.3895, 7.1807

Deuteranopia

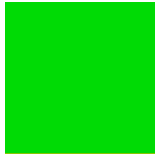
50.5166, 49.3198, 9.6535



Tritanopia

38.9248, 50.6283, 75.4308

Trichromacy



Original Color

25.3589, 50.6740, 8.5881



Protanomaly

30.2659, 45.9196, 7.3256



Deuteranomaly

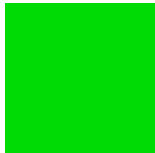
31.6880, 44.2876, 8.2447



Tritanomaly

29.4866, 48.4837, 33.3954

Monochromacy



Original Color

25.3589, 50.6740, 8.5881



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

18.0002, 28.2746, 12.8963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.3589, 50.6740, 8.5881 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, 5)` looks like.

```
.text, #text, p{  
    color:rgb(0, 219, 5)  
}
```

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, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 5) }
```

Border

The CSS property to change the border of an element to XYZ 25.3589, 50.6740, 8.5881 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, 5) }
```


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

```
.border{ border-color:rgb(0, 219, 5) }
```

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, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 219, 5); box-shadow:4px  
4px 4px 4px rgb(0, 219, 5) }
```

Background

The CSS property to change the background color of an element to XYZ 25.3589, 50.6740, 8.5881 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, 5) }
```

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

```
.background{ background-color: rgb(0, 219,  
5) }
```

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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