

Converting Colors

XYZ(25.0831, 50.1510, 8.4077)

Have a look what the booklet for
XYZ(25.0831, 50.1510, 8.4077)
contains.

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Color

**XYZ(25.0824, 50.1472,
8.4148)**

Conversions

Conversions Part 1

Format	Color
Hex	00DA02
RGB	0, 218, 2
RGB Percent	0%, 85%, 1%
CMY	1.0000, 0.1451, 0.9921
CMYK	1.00, 0.00, 0.99, 0.15
HSL	121°, 100%, 43%
HSV	121°, 100%, 85%
XYZ	25.0824, 50.1472, 8.4148
YIQ	128.1940, -60.5920, -113.3920

Conversions

Conversions Part 2

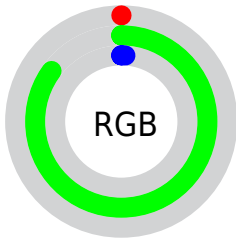
Format	Color
RYB	0, 216, 218
Decimal	55810
CIELab	76.16, -76.53, 73.71
CIELCh	76, 106.250, 136.077
Yxy	50.1472, 0.2999, 0.5995
Android (android.graphics.Color)	4278245890 (0xFF00DA02)
YUV	128.1940, -62.2136, -112.4261
Hunter-Lab	70.8147, -60.7014, 42.5249

Details

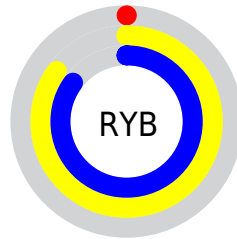
The XYZ color **25.0824, 50.1472, 8.4148** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **41.3070, 19.8630, 66.6103**, and the grayscale version is **20.8122, 21.8961, 23.8449**.

A 20% lighter version of the original color is **43.7064, 75.4271, 20.8497**, and **12.7449, 25.4897, 4.2483** is the 20% darker color. If you saturate the color by 10%, you get **25.0835, 50.1492, 8.4158**, and if you desaturate by 10%, it is **25.5600, 50.3776, 9.2205**.

Distribution



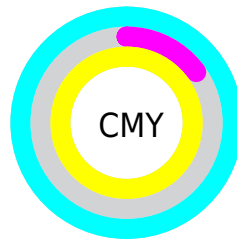
- Red (0%)
- Green (85%)
- Blue (1%)



- Red (0%)
- Yellow (85%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (99%)
- Black (15%)





- Cyan (100%)
- Magenta (15%)
- Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.0824, 50.1472, 8.4148 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 25.0824, 50.1472, 8.4148 by changing the saturation by 10% instead.


 25.0824, 50.1472,
8.4148


 25.0824, 50.1472,
8.4148


270.5881,
387.2413, 189.0047


 16.2675, 35.5304,
4.2699


 51.2328, 90.3929,
23.3271

 9.8057, 24.0717,
1.7746


 69.2990, 116.7906,
34.9317

 5.3316, 15.3868,
0.4111


 91.1797, 147.8841,
49.8599

 2.4799, 9.0913,
0.0000

 117.2403,
184.0577, 68.5303

 0.8851, 4.8008,
0.0000

 147.8461,
225.6958, 91.3615

 0.0000, 2.1309,
0.0000

 183.3624,

 0.0000, 0.6819,

273.1828, 118.7719

0.0000

224.1546,
326.9032, 151.1801

■ 0.0000, 0.0000,
0.0000

■ 25.0824, 50.1472,
8.4148

■ 25.0824, 50.1472,
8.4148

■ 25.0835, 50.1492,
8.4158

■ 25.5600, 50.3776,
9.2205

■ 26.5722, 50.8628,
10.9222

■ 28.2871, 51.6856,
13.7675

■ 30.8010, 52.8925,
17.9097

■ 34.1953, 54.5226,
23.4784

■ 38.5411, 56.6101,
30.5876

■ 43.9026, 59.1859,
39.3397

■ 50.3383, 62.2781,
49.8283

■ 57.9020, 65.9127,
62.1402

Harmonies

Analogous

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



37.8374, 50.1472, 2.4942



25.0824, 50.1472, 8.4148



19.3447, 50.1472, 32.2588

Triad

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



25.0824, 50.1472, 8.4148



39.0401, 50.1472, 244.8462



94.6678, 50.1472, 29.5396

Complementary

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



25.0824, 50.1472, 8.4148



41.3070, 19.8630, 66.6103

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.



95.2568, 50.1472, 85.4262



25.0824, 50.1472, 8.4148



59.0584, 50.1472, 241.9606

Square

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



25.0824, 50.1472, 8.4148



25.7507, 50.1472, 177.5922



80.8584, 50.1472, 171.2792



79.4214, 50.1472, 7.6056

Rectangle

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



25.0824, 50.1472, 8.4148



18.8508, 50.1472, 67.0369



80.8584, 50.1472, 171.2792



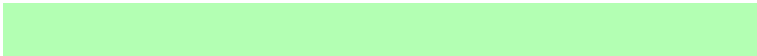
96.7060, 50.1472, 43.8082

Sweetspot

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



25.0836, 50.1493, 8.4159



62.3929, 84.3074, 55.7435



53.9870, 65.0508, 9.7108



12.6231, 17.6938, 10.7377



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.



25.0836, 50.1493, 8.4159



35.7730, 71.5252, 11.9882



27.8330, 51.2491, 22.8943



12.8914, 14.6082, 13.8912



15.0292, 30.0443, 5.0532



0.9754, 1.9471, 0.3366

Inverse Universe

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



41.3070, 19.8630, 66.6103



58.9115, 28.3286, 94.9867



31.6752, 16.0103, 15.8900



13.6089, 13.2727, 16.4678



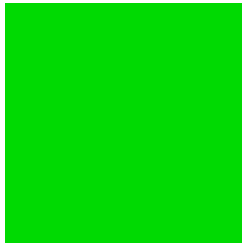
24.7486, 11.9005, 39.9175



1.6051, 0.7717, 2.5951

Previews

White Background



This preview shows how the XYZ color 25.0824, 50.1472, 8.4148 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 25.0824, 50.1472, 8.4148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

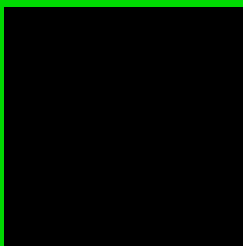
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

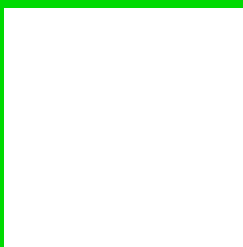
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.0824, 50.1472, 8.4148

Background



This preview shows how black text looks on a background with the XYZ color 25.0824, 50.1472, 8.4148.



This preview shows how white text looks on a background with the XYZ color 25.0824, 50.1472,

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

25.0824, 50.1472, 8.4148

Protanopia

44.3487, 49.2423, 7.1673

Deuteranopia

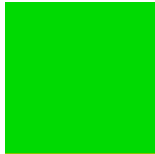
50.1669, 49.1419, 9.5306



Tritanopia

38.4565, 50.0505, 74.6517

Trichromacy



Original Color

25.0824, 50.1472, 8.4148



Protanomaly

30.0311, 45.4587, 7.2203



Deuteranomaly

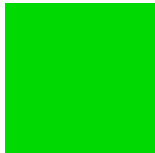
31.4914, 44.1878, 8.1656



Tritanomaly

29.0344, 47.9047, 32.5272

Monochromacy



Original Color

25.0824, 50.1472, 8.4148



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

17.6612, 27.8483, 12.4271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0824, 50.1472, 8.4148 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, 218, 2)` looks like.

```
.text, #text, p{  
    color:rgb(0, 218, 2)  
}
```

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, 218, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 218, 2) }
```

Border

The CSS property to change the border of an element to XYZ 25.0824, 50.1472, 8.4148 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, 218, 2) }
```


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

```
.border{ border-color:rgb(0, 218, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 218, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 218, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 218, 2); box-shadow:4px  
4px 4px 4px rgb(0, 218, 2) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0824, 50.1472, 8.4148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 218, 2) }
```

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

```
.background{ background-color: rgb(0, 218,  
2) }
```

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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