

Converting Colors

XYZ(23.0766, 45.7507, 8.9333)

Have a look what the booklet for
XYZ(23.0766, 45.7507, 8.9333)
contains.

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Color

**XYZ(23.0478, 45.6999,
8.9025)**

Conversions

Conversions Part 1

Format	Color
Hex	00D11F
RGB	0, 209, 31
RGB Percent	0%, 82%, 12%
CMY	1.0000, 0.1804, 0.8784
CMYK	1.00, 0.00, 0.85, 0.18
HSL	129°, 100%, 41%
HSV	129°, 100%, 82%
XYZ	23.0478, 45.6999, 8.9025
YIQ	126.2170, -67.4260, -99.6660

Conversions

Conversions Part 2

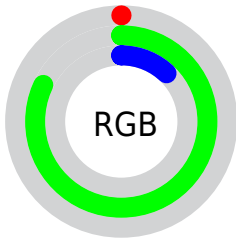
Format	Color
RYB	0, 182, 209
Decimal	53535
CIELab	73.35, -73.34, 67.25
CIELCh	73, 99.501, 137.481
Yxy	45.6999, 0.2968, 0.5885
Android (android.graphics.Color)	4278243615 (0xFF00D11F)
YUV	126.2170, -46.9420, -110.6923
Hunter-Lab	67.6017, -57.4460, 39.5133

Details

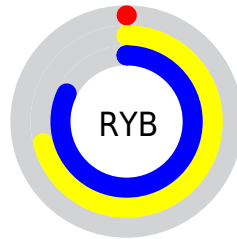
The XYZ color **23.0478, 45.6999, 8.9025** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **34.3310, 16.7700, 43.5443**, and the grayscale version is **20.0778, 21.1234, 23.0034**.

A 20% lighter version of the original color is **43.7242, 75.3923, 22.8373**, and **11.3912, 22.7825, 3.7971** is the 20% darker color. If you saturate the color by 10%, you get **23.0488, 45.7018, 8.9035**, and if you desaturate by 10%, it is **23.6589, 45.9813, 10.5130**.

Distribution



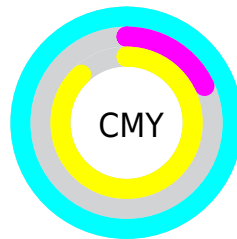
- Red (0%)
- Green (82%)
- Blue (12%)



- Red (0%)
- Yellow (71%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (85%)
- Black (18%)





- Cyan (100%)
- Magenta (18%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0478, 45.6999, 8.9025 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 23.0478, 45.6999, 8.9025 by changing the saturation by 10% instead.


 23.0478, 45.6999,
8.9025


 23.0478, 45.6999,
8.9025


260.5012,
369.6008, 192.8401


 14.7497, 32.0091,
4.5817


 47.9379, 83.7697,
24.2844


 8.7291, 21.3684,
1.9496


 65.2606, 108.9174,
36.1825


 4.6206, 13.3936,
0.5240


 86.3222, 138.6530,
51.4435

 2.0589, 7.7001,
0.0000

 111.4880,
173.3606, 70.4858

 0.6667, 3.9037,
0.0000

 141.1235,
213.4249, 93.7281

 0.0000, 1.6198,
0.0000

 175.5939,

 0.0000, 0.3709,

259.2301, 121.5889

0.0000

215.2647,
311.1606, 154.4867

■ 0.0000, 0.0000,
0.0000

■ 23.0478, 45.6999,
8.9025

■ 23.0478, 45.6999,
8.9025

■ 23.0488, 45.7018,
8.9035

■ 23.6589, 45.9813,
10.5130

■ 24.7496, 46.4914,
12.9182

■ 26.4486, 47.2963,
16.2067

■ 28.8307, 48.4328,
20.4534

■ 31.9595, 49.9323,
25.7251

■ 35.8913, 51.8226,
32.0825

■ 40.6770, 54.1286,
39.5819

■ 46.3630, 56.8734,
48.2753

■ 52.9927, 60.0781,
58.2119

Harmonies

Analogous

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



34.0881, 45.6999, 2.8161



23.0478, 45.6999, 8.9025



18.1629, 45.6999, 31.6488

Triad

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



23.0478, 45.6999, 8.9025



36.5397, 45.6999, 215.7081



84.1110, 45.6999, 26.0528

Complementary

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



23.0478, 45.6999, 8.9025



34.3310, 16.7700, 43.5443

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.



85.2883, 45.6999, 73.7226



23.0478, 45.6999, 8.9025



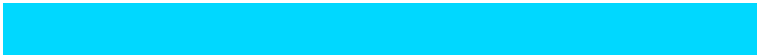
54.3544, 45.6999, 210.0156

Square

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



23.0478, 45.6999, 8.9025



24.4250, 45.6999, 160.0233



73.2751, 45.6999, 147.5061



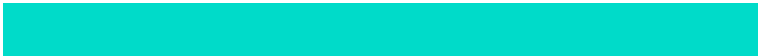
70.3935, 45.6999, 7.1570

Rectangle

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



23.0478, 45.6999, 8.9025



17.8770, 45.6999, 63.3974



73.2751, 45.6999, 147.5061



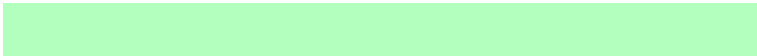
86.0968, 45.6999, 38.2326

Sweetspot

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



23.0489, 45.7018, 8.9035



63.5129, 84.7554, 61.6412



41.8896, 55.4431, 8.4938



12.8776, 17.7956, 12.0780



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.



23.0489, 45.7018, 8.9035



36.1072, 71.6589, 13.7482



26.9916, 47.2789, 29.6657



11.7268, 13.2345, 12.9175



14.2332, 28.1862, 5.6083



0.8192, 1.5853, 0.4367

Inverse Universe

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



34.3310, 16.7700, 43.5443



53.7861, 26.2784, 67.9968



27.6223, 14.0866, 8.2170



12.2323, 11.9776, 14.4989



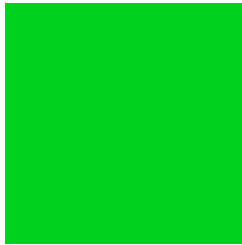
21.1954, 10.3510, 26.9987



1.2061, 0.5872, 1.6202

Previews

White Background



This preview shows how the XYZ color 23.0478, 45.6999, 8.9025 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 23.0478, 45.6999, 8.9025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

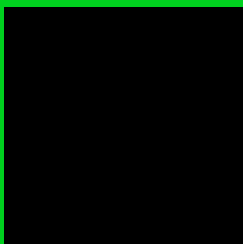
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.0478, 45.6999, 8.9025

Background



This preview shows how black text looks on a background with the XYZ color 23.0478, 45.6999, 8.9025.



This preview shows how white text looks on a background with the XYZ color 23.0478, 45.6999,

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

23.0478, 45.6999, 8.9025

Protanopia

40.3523, 44.7156, 7.2632

Deuteranopia

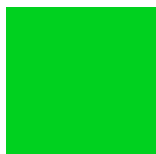
45.7810, 44.8631, 9.7365



Tritanopia

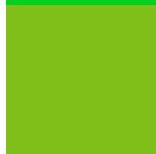
34.8551, 45.2630, 67.8723

Trichromacy



Original Color

23.0478, 45.6999, 8.9025



Protanomaly

27.4910, 41.4863, 7.4784



Deuteranomaly

28.9613, 40.3179, 8.8405



Tritanomaly

27.1098, 43.7034, 33.7948

Monochromacy



Original Color

23.0478, 45.6999, 8.9025



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

17.0851, 26.2377, 14.0614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0478, 45.6999, 8.9025 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, 209, 31)` looks like.

```
.text, #text, p{  
    color:rgb(0, 209, 31)  
}
```

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, 209, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 209, 31) }
```

Border

The CSS property to change the border of an element to XYZ 23.0478, 45.6999, 8.9025 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, 209, 31) }
```


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

```
.border{ border-color:rgb(0, 209, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 209, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 209, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 209, 31);  
box-shadow:4px 4px 4px 4px rgb(0, 209, 31)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.0478, 45.6999, 8.9025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 209, 31) }
```

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

```
.background{ background-color: rgb(0, 209,  
31) }
```

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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