

Converting Colors

XYZ(23.4245, 43.9125, 16.8597)

Have a look what the booklet for
XYZ(23.4245, 43.9125, 16.8597)
contains.

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Color

**XYZ(23.4383, 43.9239,
16.9157)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 00CC5A |
| RGB | 0, 204, 90 |
| RGB Percent | 0%, 80%, 35% |
| CMY | 1.0000, 0.2000, 0.6470 |
| CMYK | 1.00, 0.00, 0.56, 0.20 |
| HSL | 146°, 100%, 40% |
| HSV | 146°, 100%, 80% |
| XYZ | 23.4383, 43.9239, 16.9157 |
| YIQ | 130.0080, -84.9900, -78.7020 |

Conversions

Conversions Part 2

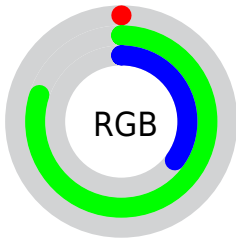
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 0, 142, 204 |
| Decimal | 52314 |
| CIELab | 72.18, -66.53, 44.51 |
| CIELCh | 72, 80.050, 146.215 |
| Yxy | 43.9239, 0.2781, 0.5212 |
| Android (android.graphics.Color) | 4278242394 (0xFF00CC5A) |
| YUV | 130.0080, -19.7239, -114.0170 |
| Hunter-Lab | 66.2751, -52.8546, 31.2597 |

Details

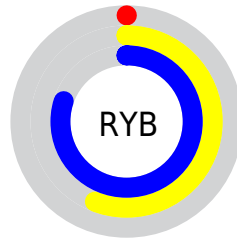
The XYZ color **23.4383, 43.9239, 16.9157** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **27.9405, 14.0530, 17.1612**, and the grayscale version is **21.3113, 22.4212, 24.4166**.

A 20% lighter version of the original color is **46.1974, 76.3280, 38.2845**, and **10.9398, 21.3197, 5.3723** is the 20% darker color. If you saturate the color by 10%, you get **23.4392, 43.9256, 16.9160**, and if you desaturate by 10%, it is **24.2593, 44.2879, 19.6857**.

Distribution



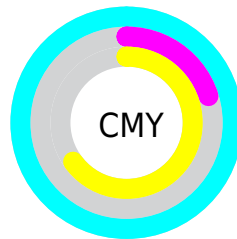
- Red (0%)
- Green (80%)
- Blue (35%)



- Red (0%)
- Yellow (56%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (56%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.4383, 43.9239, 16.9157 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 23.4383, 43.9239, 16.9157 by changing the saturation by 10% instead.


 23.4383, 43.9239,
16.9157


 23.4383, 43.9239,
16.9157


262.4618,
362.3976, 246.7136


 15.0400, 30.6107,
10.0131


 48.5734, 81.1032,
38.9694


 8.9339, 20.3026,
5.3019


 66.0409, 105.7381,
54.9576


 4.7549, 12.6152,
2.3637


 87.2621, 134.9157,
74.8115

 2.1374, 7.1641,
0.7666

 112.6024,
169.0203, 98.9494

 0.7094, 3.5649,
0.0000

 142.4271,
208.4365, 127.7901

 0.0000, 1.4333,
0.0000

177.1017,

 0.0000, 0.2411,

253.5485, 161.7520

0.0000

216.9915,
304.7407, 201.2536

■ 0.0000, 0.0000,
0.0000

■ 23.4383, 43.9239,
16.9157

■ 23.4383, 43.9239,
16.9157

■ 23.4392, 43.9256,
16.9160

■ 24.2593, 44.2879,
19.6857

■ 25.4701, 44.8427,
22.8781

■ 27.1819, 45.6465,
26.5146

■ 29.4552, 46.7300,
30.6128

■ 32.3409, 48.1194,
35.1892

■ 35.8841, 49.8374,
40.2592

■ 40.1255, 51.9049,
45.8377

■ 45.1023, 54.3406,
51.9386

■ 50.8490, 57.1622,
58.5755

Harmonies

Analogous

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



31.1465, 43.9239, 7.0246



23.4383, 43.9239, 16.9157



20.5714, 43.9239, 43.0095

Triad

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



23.4383, 43.9239, 16.9157



40.0310, 43.9239, 169.7471



70.1669, 43.9239, 21.6144

Complementary

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



23.4383, 43.9239, 16.9157



27.9405, 14.0530, 17.1612

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.



73.9882, 43.9239, 52.9886



23.4383, 43.9239, 16.9157



54.5183, 43.9239, 152.6586

Square

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



23.4383, 43.9239, 16.9157



28.7306, 43.9239, 142.0994



67.7338, 43.9239, 103.3365



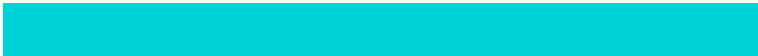
58.2020, 43.9239, 8.5065

Rectangle

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



23.4383, 43.9239, 16.9157



21.1963, 43.9239, 72.1744



67.7338, 43.9239, 103.3365



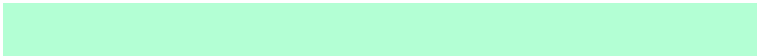
72.5454, 43.9239, 29.6801

Sweetspot

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



23.4394, 43.9257, 16.9167



66.1502, 85.8103, 75.5290



28.7437, 46.8734, 7.5327



13.4899, 18.0405, 15.3025



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.



23.4394, 43.9257, 16.9167



38.7125, 72.7010, 27.4674



30.9322, 46.9228, 56.3736



11.2702, 12.6178, 12.9804



14.7975, 27.6643, 10.8847



0.8013, 1.4423, 0.7614

Inverse Universe

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



27.9405, 14.0530, 17.1612



46.1603, 23.2281, 27.8397



24.9795, 12.8686, 1.5689



11.4704, 11.3169, 13.0117



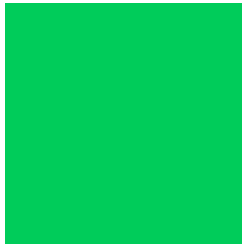
17.6328, 8.8637, 11.0508



0.9474, 0.4724, 0.7691

Previews

White Background



This preview shows how the XYZ color 23.4383, 43.9239, 16.9157 looks on a white background.

Color Contrast Check

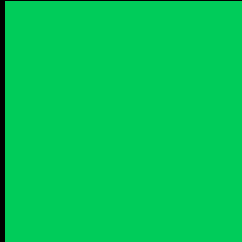
Large Text (above 18pt) WCAG AA × Fail

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 23.4383, 43.9239, 16.9157 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 23.4383, 43.9239, 16.9157

Background



This preview shows how black text looks on a background with the XYZ color 23.4383, 43.9239, 16.9157.



This preview shows how white text looks on a background with the XYZ color 23.4383, 43.9239,

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

23.4383, 43.9239, 16.9157

Protanopia

39.5162, 43.2469, 14.0493

Deuteranopia

43.8505, 42.8537, 18.0170



Tritanopia

33.4204, 43.9097, 65.7455

Trichromacy



Original Color

23.4383, 43.9239, 16.9157



Protanomaly

27.4713, 40.0430, 14.6687



Deuteranomaly

28.5859, 38.7213, 17.0336



Tritanomaly

27.8060, 42.8640, 41.9300

Monochromacy



Original Color

23.4383, 43.9239, 16.9157



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

18.7188, 27.1907, 20.4814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4383, 43.9239, 16.9157 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, 204, 90)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 90)  
}
```

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, 204, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 90) }
```

Border

The CSS property to change the border of an element to XYZ 23.4383, 43.9239, 16.9157 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, 204, 90) }
```


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

```
.border{ border-color:rgb(0, 204, 90) }
```

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

Here you see how a box with a 4 pixel rgb(0, 204, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 90);  
box-shadow:4px 4px 4px 4px rgb(0, 204, 90)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.4383, 43.9239, 16.9157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 90) }
```

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

```
.background{ background-color: rgb(0, 204,  
90) }
```

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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