

Converting Colors

XYZ(23.4146, 43.7598, 17.2618)

Have a look what the booklet for
XYZ(23.4146, 43.7598, 17.2618)
contains.

XYZ(23.5246, 43.9584, 17.3702)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.5246, 43.9584,
17.3702)**

Conversions

Conversions Part 1

Format	Color
Hex	00CC5C
RGB	0, 204, 92
RGB Percent	0%, 80%, 36%
CMY	1.0000, 0.2000, 0.6392
CMYK	1.00, 0.00, 0.55, 0.20
HSL	147°, 100%, 40%
HSV	147°, 100%, 80%
XYZ	23.5246, 43.9584, 17.3702
YIQ	130.2360, -85.6320, -78.0800

Conversions

Conversions Part 2

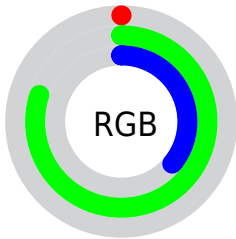
Format	Color
RYB	0, 141, 204
Decimal	52316
CIELab	72.20, -66.25, 43.60
CIELCh	72, 79.307, 146.649
Yxy	43.9584, 0.2772, 0.5181
Android (android.graphics.Color)	4278242396 (0xFF00CC5C)
YUV	130.2360, -18.8503, -114.2170
Hunter-Lab	66.3011, -52.6926, 30.8774

Details

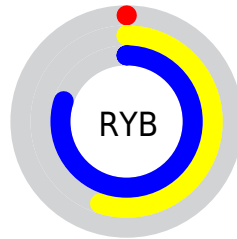
The XYZ color **23.5246, 43.9584, 17.3702** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **27.8278, 14.0080, 16.5682**, and the grayscale version is **21.3894, 22.5033, 24.5061**.

A 20% lighter version of the original color is **46.3503, 76.3891, 39.0897**, and **10.9901, 21.3399, 5.6376** is the 20% darker color. If you saturate the color by 10%, you get **23.5255, 43.9601, 17.3704**, and if you desaturate by 10%, it is **24.3489, 44.3238, 20.1576**.

Distribution



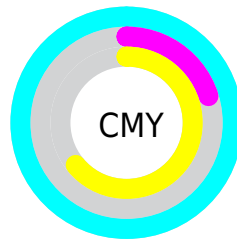
- Red (0%)
- Green (80%)
- Blue (36%)



- Red (0%)
- Yellow (55%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (55%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.5246, 43.9584, 17.3702 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 23.5246, 43.9584, 17.3702 by changing the saturation by 10% instead.


 23.5246, 43.9584,
17.3702


 23.5246, 43.9584,
17.3702


262.8934,
362.5385, 249.4126


 15.1042, 30.6378,
10.3340

 48.7136, 81.1551,
39.7605


 8.9793, 20.3232,
5.5125


 66.2130, 105.8001,
55.9518


 4.7847, 12.6302,
2.4870


 87.4693, 134.9886,
76.0318

 2.1549, 7.1744,
0.8333

 112.8480,
169.1051, 100.4192

 0.7188, 3.5714,
0.0000

 142.7144,
208.5339, 129.5324

 0.0000, 1.4368,
0.0000

177.4338,

 0.0000, 0.2436,

253.6595, 163.7900

0.0000

217.3717,
304.8662, 203.6105

■ 0.0000, 0.0000,
0.0000

■ 23.5246, 43.9584,
17.3702

■ 23.5246, 43.9584,
17.3702

■ 23.5255, 43.9601,
17.3704

■ 24.3489, 44.3238,
20.1576

■ 25.5608, 44.8790,
23.3557

■ 27.2713, 45.6822,
26.9853

■ 29.5407, 46.7642,
31.0630

■ 32.4198, 48.1509,
35.6044

■ 35.9535, 49.8652,
40.6244

■ 40.1824, 51.9276,
46.1370

■ 45.1436, 54.3571,
52.1555

■ 50.8714, 57.1712,
58.6929

Harmonies

Analogous

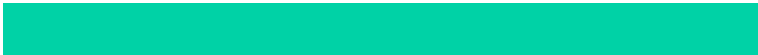
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.1164, 43.9584, 7.2837



23.5246, 43.9584, 17.3702



20.7370, 43.9584, 43.6186

Triad

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



23.5246, 43.9584, 17.3702



40.2715, 43.9584, 168.2927



69.7787, 43.9584, 21.5196

Complementary

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



23.5246, 43.9584, 17.3702



27.8278, 14.0080, 16.5682

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.



73.6969, 43.9584, 52.3747



23.5246, 43.9584, 17.3702



54.6405, 43.9584, 150.8353

Square

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



23.5246, 43.9584, 17.3702



28.9919, 43.9584, 141.6219



67.6495, 43.9584, 101.9627



57.8675, 43.9584, 8.6038

Rectangle

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



23.5246, 43.9584, 17.3702



21.4032, 43.9584, 72.6840



67.6495, 43.9584, 101.9627



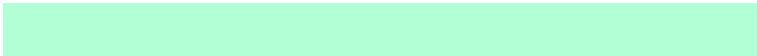
72.1725, 43.9584, 29.4541

Sweetspot

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



23.5257, 43.9602, 17.3712



66.2452, 85.8483, 76.0293



28.3019, 46.6456, 7.5120



13.5123, 18.0494, 15.4201



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.



23.5257, 43.9602, 17.3712



38.8544, 72.7578, 28.2149



31.3093, 47.0736, 58.3593



11.2748, 12.6197, 13.0047



14.8522, 27.6862, 11.1728



0.8043, 1.4435, 0.7769

Inverse Universe

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



27.8278, 14.0080, 16.5682



45.9738, 23.1535, 26.8577



24.9588, 12.8604, 1.4599



11.4657, 11.3150, 12.9870



17.5619, 8.8354, 10.6776



0.9439, 0.4710, 0.7506

Previews

White Background



This preview shows how the XYZ color 23.5246, 43.9584, 17.3702 looks on a white background.

Color Contrast Check

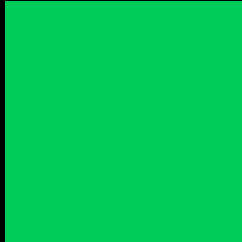
Large Text (above 18pt) WCAG AA × Fail

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 23.5246, 43.9584, 17.3702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

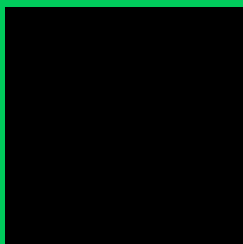
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.5246, 43.9584, 17.3702

Background



This preview shows how black text looks on a background with the XYZ color 23.5246, 43.9584, 17.3702.



This preview shows how white text looks on a background with the XYZ color 23.5246, 43.9584,

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

23.5246, 43.9584, 17.3702

Protanopia

39.5923, 43.2773, 14.4502

Deuteranopia

43.9485, 42.8929, 18.5332



Tritanopia

33.4204, 43.9097, 65.7455

Trichromacy



Original Color

23.5246, 43.9584, 17.3702



Protanomaly

27.5508, 40.0748, 15.0872



Deuteranomaly

28.6792, 38.7586, 17.5249



Tritanomaly

27.8967, 42.9003, 42.4076

Monochromacy



Original Color

23.5246, 43.9584, 17.3702



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

18.7766, 27.2139, 20.7862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5246, 43.9584, 17.3702 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, 92)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 92)  
}
```

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, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 92) }
```

Border

The CSS property to change the border of an element to XYZ 23.5246, 43.9584, 17.3702 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, 92) }
```


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

```
.border{ border-color:rgb(0, 204, 92) }
```

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, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 92);  
box-shadow:4px 4px 4px 4px rgb(0, 204, 92)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.5246, 43.9584, 17.3702 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, 92) }
```

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

```
.background{ background-color: rgb(0, 204,  
92) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor