

Converting Colors

XYZ(23.4727, 46.9193, 7.9026)

Have a look what the booklet for
XYZ(23.4727, 46.9193, 7.9026)
contains.

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Color

**XYZ(23.5599, 47.0935,
7.9344)**

Conversions

Conversions Part 1

Format	Color
Hex	00D403
RGB	0, 212, 3
RGB Percent	0%, 83%, 1%
CMY	1.0000, 0.1686, 0.9881
CMYK	1.00, 0.00, 0.99, 0.17
HSL	121°, 100%, 42%
HSV	121°, 100%, 83%
XYZ	23.5599, 47.0935, 7.9344
YIQ	124.7860, -59.2630, -109.9430

Conversions

Conversions Part 2

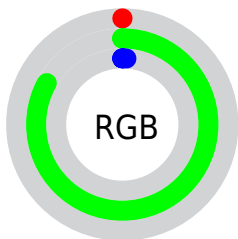
Format	Color
RYB	0, 209, 212
Decimal	54275
CIELab	74.25, -74.92, 72.07
CIELCh	74, 103.954, 136.113
Yxy	47.0935, 0.2998, 0.5992
Android (android.graphics.Color)	4278244355 (0xFF00D403)
YUV	124.7860, -60.0405, -109.4373
Hunter-Lab	68.6247, -58.8115, 41.1822

Details

The XYZ color **23.5599, 47.0935, 7.9344** 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 **38.6582, 18.5999, 61.8592**, and the grayscale version is **19.6327, 20.6552, 22.4935**.

A 20% lighter version of the original color is **43.5446, 75.3482, 20.6361**, and **11.7213, 23.4427, 3.9071** is the 20% darker color. If you saturate the color by 10%, you get **23.5610, 47.0955, 7.9355**, and if you desaturate by 10%, it is **24.0220, 47.3161, 8.7269**.

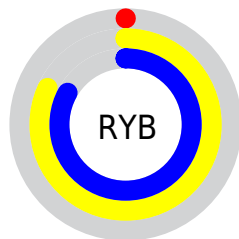
Distribution



Red (0%)

Green (83%)

Blue (1%)



Red (0%)

Yellow (82%)

Blue (83%)

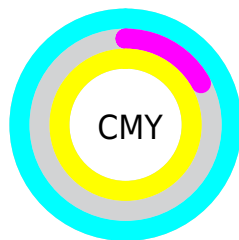


Cyan (100%)

Magenta (0%)

Yellow (99%)

Black (17%)



Cyan (100%)


Magenta (17%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.5599, 47.0935, 7.9344 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 23.5599, 47.0935, 7.9344 by changing the saturation by 10% instead.


 23.5599, 47.0935,
7.9344


 23.5599, 47.0935,
7.9344


263.0698,
375.1876, 185.1319


 15.1304, 33.1096,
3.9658


 48.7710, 85.8532,
22.3738

 8.9979, 22.2104,
1.6066


 66.2833, 111.3977,
33.6817


 4.7969, 14.0116,
0.2955


 87.5540, 141.5646,
48.2731

 2.1621, 8.1287,
0.0000

 112.9484,
176.7382, 66.5666

 0.7227, 4.1774,
0.0000

 142.8318,
217.3029, 88.9807

 0.0000, 1.7733,
0.0000

 177.5696,

 0.0000, 0.4704,

263.6431, 115.9339

0.0000

217.5271,
316.1432, 147.8448

■ 0.0000, 0.0000,
0.0000

■ 23.5599, 47.0935,
7.9344

■ 23.5599, 47.0935,
7.9344

■ 23.5610, 47.0955,
7.9355

■ 24.0220, 47.3161,
8.7269

■ 24.9860, 47.7777,
10.3698

■ 26.6080, 48.5555,
13.0808

■ 28.9774, 49.6927,
16.9995

■ 32.1695, 51.2255,
22.2445

■ 36.2505, 53.1858,
28.9202

■ 41.2798, 55.6022,
37.1206

■ 47.3117, 58.5009,
46.9318

■ 54.3965, 61.9060,
58.4335

Harmonies

Analogous

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



35.5222, 47.0935, 2.3560



23.5599, 47.0935, 7.9344



18.1809, 47.0935, 30.3547

Triad

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



23.5599, 47.0935, 7.9344



36.6890, 47.0935, 229.7346



88.8440, 47.0935, 27.7162

Complementary

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



23.5599, 47.0935, 7.9344



38.6582, 18.5999, 61.8592

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.



89.4150, 47.0935, 80.1089



23.5599, 47.0935, 7.9344



55.4769, 47.0935, 226.9377

Square

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



23.5599, 47.0935, 7.9344



24.2084, 47.0935, 166.7306



75.9239, 47.0935, 160.6109



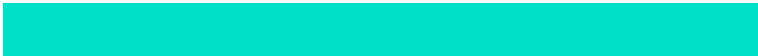
74.5305, 47.0935, 7.1482

Rectangle

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



23.5599, 47.0935, 7.9344



17.7215, 47.0935, 63.0178



75.9239, 47.0935, 160.6109



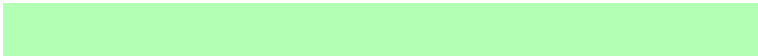
90.7618, 47.0935, 41.0930

Sweetspot

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



23.5610, 47.0955, 7.9355



62.4318, 84.3229, 55.9480



50.6969, 61.0864, 9.1189



12.6318, 17.6973, 10.7838



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.



23.5610, 47.0955, 7.9355



35.7799, 71.5280, 12.0250



26.1460, 48.1295, 21.5481



12.2695, 13.8988, 13.2339



14.5480, 29.0745, 4.9152



0.8800, 1.7547, 0.3101

Inverse Universe

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



38.6582, 18.5999, 61.8592



58.7093, 28.2477, 93.9220



29.7541, 15.0382, 14.9706



12.9450, 12.6295, 15.6508



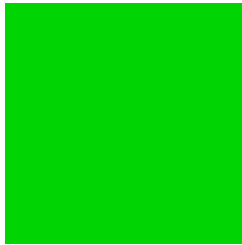
23.8681, 11.4836, 38.2053



1.4421, 0.6936, 2.3176

Previews

White Background



This preview shows how the XYZ color 23.5599, 47.0935, 7.9344 looks on a white background.

Color Contrast Check

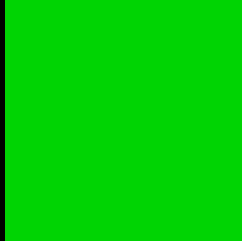
Large Text (above 18pt) WCAG AA × Fail

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 23.5599, 47.0935, 7.9344 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 23.5599, 47.0935, 7.9344

Background



This preview shows how black text looks on a background with the XYZ color 23.5599, 47.0935, 7.9344.



This preview shows how white text looks on a background with the XYZ color 23.5599, 47.0935,

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

23.5599, 47.0935, 7.9344

Protanopia

41.6298, 46.2933, 6.7414

Deuteranopia

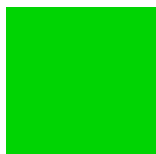
47.2406, 46.1963, 9.0117



Tritanopia

36.0963, 46.8604, 70.0933

Trichromacy



Original Color

23.5599, 47.0935, 7.9344



Protanomaly

28.2814, 42.8879, 6.8163



Deuteranomaly

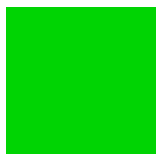
29.6817, 41.6541, 7.7040



Tritanomaly

27.3232, 44.9171, 30.8967

Monochromacy



Original Color

23.5599, 47.0935, 7.9344



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

16.8504, 26.4135, 11.9948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5599, 47.0935, 7.9344 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, 212, 3)` looks like.

```
.text, #text, p{  
    color:rgb(0, 212, 3)  
}
```

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, 212, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 212, 3) }
```

Border

The CSS property to change the border of an element to XYZ 23.5599, 47.0935, 7.9344 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, 212, 3) }
```


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

```
.border{ border-color:rgb(0, 212, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 212, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 212, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 212, 3); box-shadow:4px  
4px 4px 4px rgb(0, 212, 3) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5599, 47.0935, 7.9344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 212, 3) }
```

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

```
.background{ background-color: rgb(0, 212,  
3) }
```

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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