

Converting Colors

XYZ(23.4979, 42.8712, 7.0365)

Have a look what the booklet for
XYZ(23.4979, 42.8712, 7.0365)
contains.

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Color

**XYZ(23.4019, 42.7250,
7.0133)**

Conversions

Conversions Part 1

Format	Color
Hex	49C800
RGB	73, 200, 0
RGB Percent	29%, 78%, 0%
CMY	0.7137, 0.2157, 0.9999
CMYK	0.64, 0.00, 1.00, 0.22
HSL	98°, 100%, 39%
HSV	98°, 100%, 78%
XYZ	23.4019, 42.7250, 7.0133
YIQ	139.2270, -11.4920, -89.1240

Conversions

Conversions Part 2

Format	Color
RYB	0, 200, 127
Decimal	4835328
CIELab	71.37, -63.20, 70.46
CIELCh	71, 94.656, 131.891
Yxy	42.7250, 0.3200, 0.5842
Android (android.graphics.Color)	4283025408 (0xFF49C800)
YUV	139.2270, -68.6389, -58.0811
Hunter-Lab	65.3644, -50.4807, 39.3935

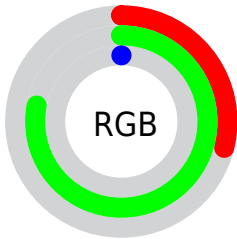
Details

The XYZ color **23.4019, 42.7250, 7.0133** is a dark color, and the websafe version is hex **33CC00**.

The color can be described as dark washed green. A complement of this color would be **19.1822, 8.6848, 55.3112**, and the grayscale version is **24.8898, 26.1860, 28.5166**.

A 20% lighter version of the original color is **47.5617, 77.4324, 20.2238**, and **10.1254, 20.2508, 3.3751** is the 20% darker color. If you saturate the color by 10%, you get **23.4017, 42.7262, 7.0136**, and if you desaturate by 10%, it is **24.5919, 43.3252, 7.7293**.

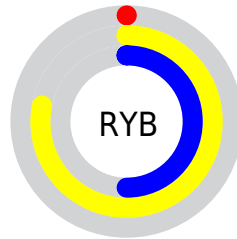
Distribution



Red (29%)

Green (78%)

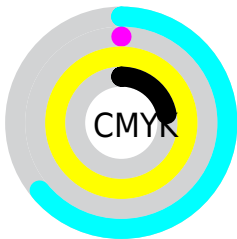
Blue (0%)



Red (0%)

Yellow (78%)

Blue (50%)

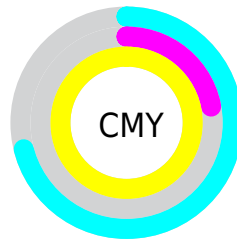


Cyan (64%)

Magenta (0%)

Yellow (100%)

Black (22%)



Cyan (71%)


Magenta (22%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.4019, 42.7250, 7.0133 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 23.4019, 42.7250, 7.0133 by changing the saturation by 10% instead.


 23.4019, 42.7250,
7.0133


 23.4019, 42.7250,
7.0133


262.2795,
357.4796, 177.4093


 15.0129, 29.6694,
3.3918


 48.5142, 79.2957,
20.5133

 8.9148, 19.5878,
1.2980


 65.9682, 103.5796,
31.2289

 4.7423, 12.0958,
0.0602


 87.1746, 132.3751,
45.1463

 2.1301, 6.8089,
0.0000

 112.4987,
166.0665, 62.6841

 0.7055, 3.3429,
0.0000

 142.3059,
205.0383, 84.2607

 0.0000, 1.3133,
0.0000

 176.9615,

 0.0000, 0.1514,

249.6748, 110.2948

0.0000

216.8310,
300.3604, 141.2048

■ 0.0000, 0.0000,
0.0000

■ 23.4019, 42.7250,
7.0133

■ 23.4019, 42.7250,
7.0133

■ 23.4017, 42.7262,
7.0136

■ 24.5919, 43.3252,
7.7293

■ 26.1191, 44.0828,
9.1417

■ 28.0401, 45.0231,
11.4905

■ 30.3882, 46.1605,
14.9021

■ 33.1926, 47.5078,
19.4829

■ 36.4796, 49.0763,
25.3268

■ 40.2729, 50.8766,
32.5177

■ 44.5951, 52.9186,
41.1327

■ 49.4667, 55.2112,
51.2428

Harmonies

Analogous

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



34.6203, 42.7250, 2.6568



23.4019, 42.7250, 7.0133



17.9036, 42.7250, 24.2393

Triad

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



23.4019, 42.7250, 7.0133



31.8152, 42.7250, 189.5693



78.5475, 42.7250, 30.6885

Complementary

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



23.4019, 42.7250, 7.0133



19.1822, 8.6848, 55.3112

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.



77.2206, 42.7250, 79.4492



23.4019, 42.7250, 7.0133



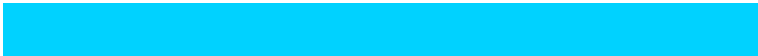
47.2510, 42.7250, 195.9197

Square

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



23.4019, 42.7250, 7.0133



21.8129, 42.7250, 133.0838



64.6790, 42.7250, 147.1034



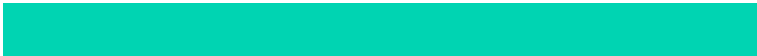
67.9351, 42.7250, 9.0962

Rectangle

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



23.4019, 42.7250, 7.0133



17.0486, 42.7250, 49.4750



64.6790, 42.7250, 147.1034



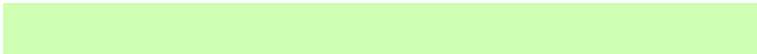
79.5459, 42.7250, 43.6856

Sweetspot

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



23.4029, 42.7268, 7.0143



69.4156, 87.9360, 55.6979



31.3683, 27.3753, 3.6313



14.2368, 18.5275, 10.7289



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.



23.4029, 42.7268, 7.0143



40.2798, 73.8500, 12.1315



20.8496, 41.3881, 7.9078



10.8568, 12.0731, 11.3209



14.9695, 27.2123, 4.4635



0.7882, 1.3294, 0.2151

Inverse Universe

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



19.1822, 8.6848, 55.3112



32.9390, 14.8956, 95.7468



31.3964, 15.3106, 41.0081



10.6933, 10.6157, 13.4029



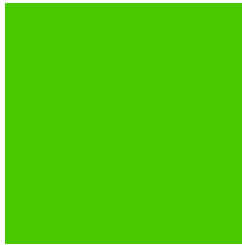
12.2965, 5.5733, 35.1720



0.6598, 0.3039, 1.6690

Previews

White Background



This preview shows how the XYZ color 23.4019, 42.7250, 7.0133 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 23.4019, 42.7250, 7.0133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

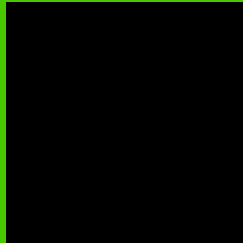
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.4019, 42.7250, 7.0133

Background



This preview shows how black text looks on a background with the XYZ color 23.4019, 42.7250, 7.0133.



This preview shows how white text looks on a background with the XYZ color 23.4019, 42.7250,

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

23.4019, 42.7250, 7.0133

Protanopia

37.9010, 42.0079, 6.1107

Deuteranopia

42.7865, 41.9829, 8.0389



Tritanopia

34.2859, 42.5230, 61.6590

Trichromacy



Original Color

23.4019, 42.7250, 7.0133



Protanomaly

29.6960, 40.4463, 6.2418



Deuteranomaly

31.6353, 39.9193, 7.0747



Tritanomaly

27.2464, 41.2530, 26.9487

Monochromacy



Original Color

23.4019, 42.7250, 7.0133



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

21.5766, 29.8392, 13.8548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4019, 42.7250, 7.0133 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(73, 200, 0)` looks like.

```
.text, #text, p{  
    color:rgb(73, 200, 0)  
}
```

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(73, 200, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 200, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.4019, 42.7250, 7.0133 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(73, 200, 0) }
```


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

```
.border{ border-color:rgb(73, 200, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 200, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 200, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 200, 0);  
box-shadow:4px 4px 4px 4px rgb(73, 200, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.4019, 42.7250, 7.0133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 200, 0) }
```

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

```
.background{ background-color: rgb(73, 200,  
0) }
```

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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