

Converting Colors

XYZ(23.1841, 42.9479, 7.5588)

Have a look what the booklet for
XYZ(23.1841, 42.9479, 7.5588)
contains.

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Color

**XYZ(23.1601, 42.9345,
7.5567)**

Conversions

Conversions Part 1

Format	Color
Hex	41C910
RGB	65, 201, 16
RGB Percent	25%, 79%, 6%
CMY	0.7451, 0.2117, 0.9372
CMYK	0.68, 0.00, 0.92, 0.21
HSL	104°, 85%, 43%
HSV	104°, 92%, 79%
XYZ	23.1601, 42.9345, 7.5567
YIQ	139.2460, -21.6710, -86.3670

Conversions

Conversions Part 2

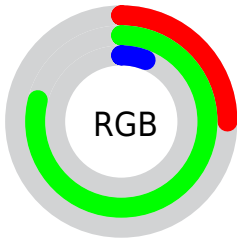
Format	Color
RYB	16, 201, 152
Decimal	4311312
CIELab	71.51, -64.90, 68.69
CIELCh	72, 94.501, 133.376
Yxy	42.9345, 0.3145, 0.5829
Android (android.graphics.Color)	4282501392 (0xFF41C910)
YUV	139.2460, -60.7603, -65.1137
Hunter-Lab	65.5244, -51.5756, 39.0294

Details

The XYZ color **23.1601, 42.9345, 7.5567** 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 **23.6813, 11.2657, 56.1870**, and the grayscale version is **24.8702, 26.1653, 28.4941**.

A 20% lighter version of the original color is **46.7998, 77.0172, 21.2033**, and **10.1254, 20.2508, 3.3751** is the 20% darker color. If you saturate the color by 10%, you get **22.3675, 42.5380, 7.0318**, and if you desaturate by 10%, it is **24.4972, 43.5989, 8.8027**.

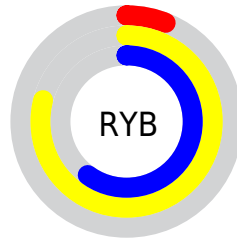
Distribution



Red (25%)

Green (79%)

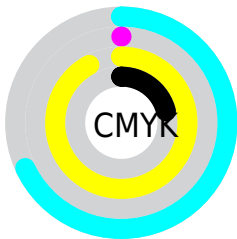
Blue (6%)



Red (6%)

Yellow (79%)

Blue (60%)

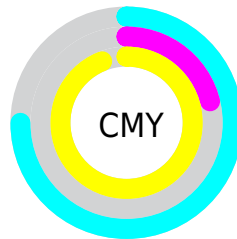


Cyan (68%)

Magenta (0%)

Yellow (92%)

Black (21%)



Cyan (75%)

Magenta (21%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1601, 42.9345, 7.5567 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 23.1601, 42.9345, 7.5567 by changing the saturation by 10% instead.

■ 23.1601, 42.9345,
7.5567

■ 23.1601, 42.9345,
7.5567

261.0662,
358.3423, 182.0152

■ 14.8331, 29.8337,
3.7289

■ 48.1208, 79.6120,
21.6163

■ 8.7879, 19.7124,
1.4779

■ 65.4852, 103.9575,
32.6853

■ 4.6591, 12.1862,
0.2013

■ 86.5928, 132.8201,
47.0051

■ 2.0813, 6.8706,
0.0000

■ 111.8090,
166.5841, 64.9942

■ 0.6790, 3.3813,
0.0000

■ 141.4991,
205.6339, 87.0713

■ 0.0000, 1.3339,
0.0000

■ 176.0284,

■ 0.0000, 0.1672,

250.3540, 113.6548

0.0000

215.7623,
301.1286, 145.1632

■ 0.0000, 0.0000,
0.0000

■ 23.1601, 42.9345,
7.5567

■ 23.1601, 42.9345,
7.5567

■ 22.3675, 42.5380,
7.0318

■ 24.4972, 43.5989,
8.8027

■ 26.2799, 44.4718,
10.9681

■ 28.5508, 45.5737,
14.1872

■ 31.3464, 46.9207,
18.5718

■ 34.6991, 48.5275,
24.2193

■ 38.6387, 50.4077,
31.2167

■ 43.1927, 52.5735,
39.6437

■ 48.3868, 55.0368,
49.5733

■ 54.2453, 57.8085,
61.0740

Harmonies

Analogous

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



34.1159, 42.9345, 2.7871



23.1601, 42.9345, 7.5567



17.9094, 42.9345, 25.8519

Triad

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



23.1601, 42.9345, 7.5567



32.6469, 42.9345, 191.5361



78.5111, 42.9345, 29.2301

Complementary

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



23.1601, 42.9345, 7.5567



23.6813, 11.2657, 56.1870

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.



77.8169, 42.9345, 76.6513



23.1601, 42.9345, 7.5567



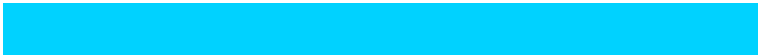
48.3224, 42.9345, 194.8554

Square

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



23.1601, 42.9345, 7.5567



22.3274, 42.9345, 136.7454



65.7045, 42.9345, 144.0751



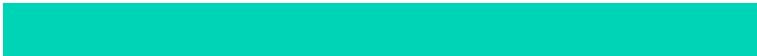
67.4081, 42.9345, 8.6506

Rectangle

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



23.1601, 42.9345, 7.5567



17.2091, 42.9345, 52.1136



65.7045, 42.9345, 144.0751



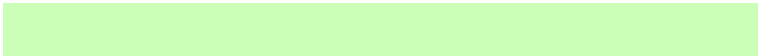
79.7219, 42.9345, 41.7646

Sweetspot

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



23.1611, 42.9363, 7.5577



68.8642, 87.5912, 58.4051



35.3574, 34.8062, 5.3456



14.0451, 18.4174, 11.2330



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.



23.1611, 42.9363, 7.5577



38.1107, 72.7318, 12.0300



21.8956, 42.2030, 11.1541



10.7565, 12.0214, 11.3162



14.1380, 26.7837, 4.4246



0.7402, 1.3047, 0.2128

Inverse Universe

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



23.6813, 11.2657, 56.1870



38.6607, 17.8452, 96.0146



30.4317, 15.2522, 33.6156



10.7985, 10.6699, 13.4078



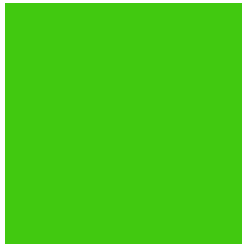
14.3726, 6.6436, 35.2692



0.7462, 0.3484, 1.6731

Previews

White Background



This preview shows how the XYZ color 23.1601, 42.9345, 7.5567 looks on a white background.

Color Contrast Check

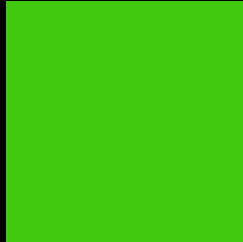
Large Text (above 18pt) WCAG AA × Fail

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 23.1601, 42.9345, 7.5567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

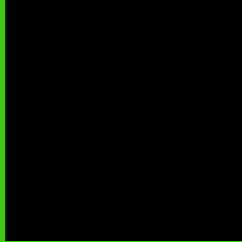
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.1601, 42.9345, 7.5567

Background



This preview shows how black text looks on a background with the XYZ color 23.1601, 42.9345, 7.5567.



This preview shows how white text looks on a background with the XYZ color 23.1601, 42.9345,

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

23.1601, 42.9345, 7.5567

Protanopia

37.9010, 42.0079, 6.1107

Deuteranopia

42.8422, 42.0052, 8.3324



Tritanopia

34.0245, 42.6885, 62.3235

Trichromacy



Original Color

23.1601, 42.9345, 7.5567



Protanomaly

29.3861, 40.5900, 6.4581



Deuteranomaly

31.1094, 39.6377, 7.5246



Tritanomaly

27.2725, 41.5444, 29.1357

Monochromacy



Original Color

23.1601, 42.9345, 7.5567



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

21.6228, 30.0936, 15.2587

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1601, 42.9345, 7.5567 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(65, 201, 16)` looks like.

```
.text, #text, p{  
    color:rgb(65, 201, 16)  
}
```

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(65, 201, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 201, 16) }
```

Border

The CSS property to change the border of an element to XYZ 23.1601, 42.9345, 7.5567 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(65, 201, 16) }
```


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

```
.border{ border-color:rgb(65, 201, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 201, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 201, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 201, 16);  
box-shadow:4px 4px 4px 4px rgb(65, 201,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1601, 42.9345, 7.5567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 201, 16) }
```

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

```
.background{ background-color: rgb(65, 201,  
16) }
```

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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