

Converting Colors

XYZ(40.4521, 71.5556, 11.6796)

Have a look what the booklet for
XYZ(40.4521, 71.5556, 11.6796)
contains.

XYZ(40.4923, 71.6224, 11.6903)	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(40.4923, 71.6224,
11.6903)**

Conversions

Conversions Part 1

Format	Color
Hex	6DFA00
RGB	109, 250, 0
RGB Percent	43%, 98%, 0%
CMY	0.5725, 0.0196, 0.9999
CMYK	0.56, 0.00, 1.00, 0.02
HSL	94°, 100%, 49%
HSV	94°, 100%, 98%
XYZ	40.4923, 71.6224, 11.6903
YIQ	179.3410, -3.7860, -107.6420

Conversions

Conversions Part 2

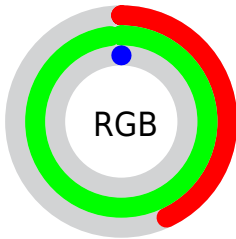
Format	Color
RYB	0, 250, 141
Decimal	7207424
CIELab	87.79, -71.13, 83.89
CIELCh	88, 109.983, 130.296
Yxy	71.6224, 0.3271, 0.5785
Android (android.graphics.Color)	4285397504 (0xFF6DFA00)
YUV	179.3410, -88.4151, -61.6891
Hunter-Lab	84.6300, -62.6970, 51.0510

Details

The XYZ color **40.4923, 71.6224, 11.6903** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **28.2479, 12.5695, 91.3837**, and the grayscale version is **43.4929, 45.7579, 49.8304**.

A 20% lighter version of the original color is **55.1473, 81.2914, 22.9095**, and **19.1182, 37.8377, 6.2958** is the 20% darker color. If you saturate the color by 10%, you get **40.4912, 71.6241, 11.6907**, and if you desaturate by 10%, it is **42.5460, 72.6630, 12.7047**.

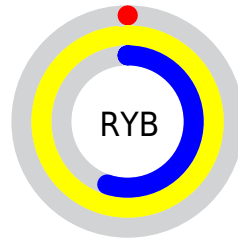
Distribution



Red (43%)

Green (98%)

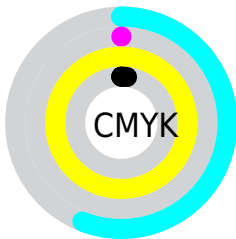
Blue (0%)



Red (0%)

Yellow (98%)

Blue (55%)

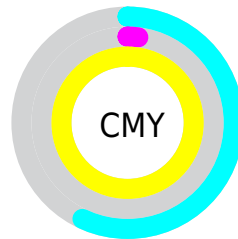


Cyan (56%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (57%)


Magenta (2%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4923, 71.6224, 11.6903 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 40.4923, 71.6224, 11.6903 by changing the saturation by 10% instead.


 40.4923, 71.6224,
11.6903


 40.4923, 71.6224,
11.6903


339.2931,
466.2262, 213.2487

 28.1085, 52.8503,
6.4132


 75.1922, 121.5195,
29.5857


 18.5483, 37.6833,
3.0251


 98.2390, 153.4133,
43.0411


 11.4464, 25.7370,
1.1075


 125.5708,
190.4498, 60.0596

 6.4375, 16.6270,
0.0000

 157.5530,
233.0134, 81.0598

 3.1560, 9.9689,
0.0000

 194.5510,
281.4884, 106.4603

 1.2368, 5.3783,
0.0000

 236.9302,

 0.1351, 2.4709,

336.2593, 136.6796

0.0000

285.0557,
397.7104, 172.1362

■ 0.0000, 0.8620,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.4923, 71.6224,
11.6903

■ 40.4923, 71.6224,
11.6903

■ 40.4912, 71.6241,
11.6907

■ 42.5460, 72.6630,
12.7047

■ 45.1138, 73.9405,
14.9160

■ 48.2780, 75.4915,
18.6902

■ 52.0917, 77.3384,
24.2485

■ 56.6003, 79.5007,
31.7770

■ 61.8447, 81.9959,
41.4379

■ 67.8619, 84.8399,
53.3768

■ 74.6862, 88.0474,
67.7265

■ 82.3496, 91.6322,
84.6096

Harmonies

Analogous

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



59.4893, 71.6224, 4.8160



40.4923, 71.6224, 11.6903



30.9025, 71.6224, 38.8560

Triad

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



40.4923, 71.6224, 11.6903



52.5111, 71.6224, 306.8023



130.3883, 71.6224, 55.0031

Complementary

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



40.4923, 71.6224, 11.6903



28.2479, 12.5695, 91.3837

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.



127.1289, 71.6224, 137.2063



40.4923, 71.6224, 11.6903



77.4493, 71.6224, 322.2663

Square

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



40.4923, 71.6224, 11.6903



36.5121, 71.6224, 212.8475



105.9838, 71.6224, 247.1050



113.9994, 71.6224, 17.0557

Rectangle

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



40.4923, 71.6224, 11.6903



29.1988, 71.6224, 78.7306



105.9838, 71.6224, 247.1050



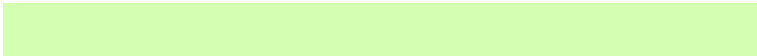
131.6383, 71.6224, 77.2434

Sweetspot

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



40.4940, 71.6254, 11.6919



70.9535, 88.7288, 55.7699



48.4458, 38.3642, 4.8527



14.5971, 18.7133, 10.7457



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.



40.4940, 71.6254, 11.6919



42.3353, 74.9097, 12.2277



34.2572, 68.4023, 11.7626



17.7352, 19.6793, 18.3261



21.6351, 38.0716, 6.2083



2.1230, 3.5875, 0.5806

Inverse Universe

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



28.2479, 12.5695, 91.3837



29.5242, 13.1352, 95.5870



54.7866, 26.4697, 82.7307



17.2200, 17.1260, 21.7834



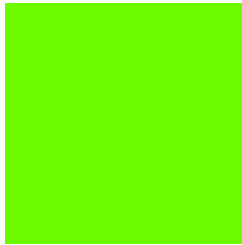
15.1495, 6.7525, 48.4785



1.5247, 0.6881, 4.4956

Previews

White Background



This preview shows how the XYZ color 40.4923, 71.6224, 11.6903 looks on a white background.

Color Contrast Check

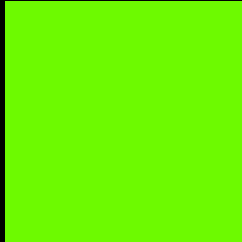
Large Text (above 18pt) WCAG AA × Fail

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 40.4923, 71.6224, 11.6903 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 40.4923, 71.6224, 11.6903

Background



This preview shows how black text looks on a background with the XYZ color 40.4923, 71.6224, 11.6903.



This preview shows how white text looks on a background with the XYZ color 40.4923, 71.6224,

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

40.4923, 71.6224, 11.6903

Protanopia

63.3376, 70.2559, 10.2225

Deuteranopia

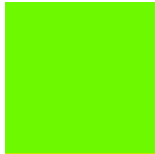
69.6451, 69.8929, 36.6080



Tritanopia

58.3018, 70.8813, 101.8754

Trichromacy



Original Color

40.4923, 71.6224, 11.6903



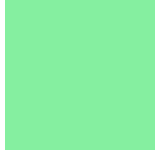
Protanomaly

51.0618, 68.3294, 10.4977



Deuteranomaly

53.2141, 67.1797, 20.2875



Tritanomaly

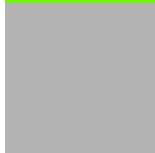
46.8845, 69.2576, 44.1547

Monochromacy



Original Color

40.4923, 71.6224, 11.6903



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

38.1950, 51.7476, 23.8948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4923, 71.6224, 11.6903 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(109, 250, 0)` looks like.

```
.text, #text, p{  
    color:rgb(109, 250, 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(109, 250, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 250, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.4923, 71.6224, 11.6903 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(109, 250, 0) }
```


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

```
.border{ border-color:rgb(109, 250, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 250, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 250, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 250, 0);  
box-shadow:4px 4px 4px 4px rgb(109, 250,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4923, 71.6224, 11.6903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 250, 0) }
```

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

```
.background{ background-color: rgb(109,  
250, 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](#).

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