

Converting Colors

XYZ(40.3119, 72.6670, 11.9015)

Have a look what the booklet for
XYZ(40.3119, 72.6670, 11.9015)
contains.

XYZ(40.1772, 72.3875, 11.8546)	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(40.1772, 72.3875,
11.8546)**

Conversions

Conversions Part 1

Format	Color
Hex	65FC00
RGB	101, 252, 0
RGB Percent	40%, 99%, 0%
CMY	0.6039, 0.0117, 0.9999
CMYK	0.60, 0.00, 1.00, 0.01
HSL	96°, 100%, 49%
HSV	96°, 100%, 99%
XYZ	40.1772, 72.3875, 11.8546
YIQ	178.1230, -9.1040, -110.3840

Conversions

Conversions Part 2

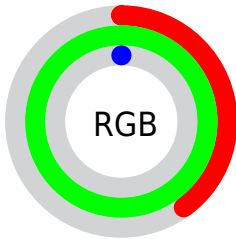
Format	Color
RYB	0, 252, 151
Decimal	6683648
CIELab	88.15, -73.70, 84.08
CIELCh	88, 111.803, 131.236
Yxy	72.3875, 0.3229, 0.5818
Android (android.graphics.Color)	4284873728 (0xFF65FC00)
YUV	178.1230, -87.8146, -67.6369
Hunter-Lab	85.0808, -64.5995, 51.2955

Details

The XYZ color **40.1772, 72.3875, 11.8546** 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 **30.3423, 13.6128, 93.1278**, and the grayscale version is **42.8401, 45.0711, 49.0825**.

A 20% lighter version of the original color is **53.6281, 80.5082, 22.8384**, and **19.2918, 38.5836, 6.4306** is the 20% darker color. If you saturate the color by 10%, you get **40.1762, 72.3892, 11.8550**, and if you desaturate by 10%, it is **42.2060, 73.4150, 12.8792**.

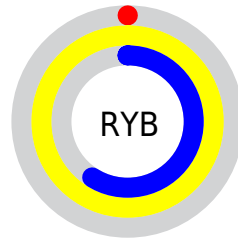
Distribution



Red (40%)

Green (99%)

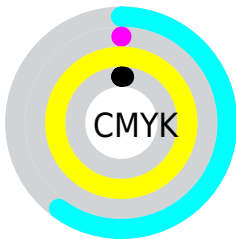
Blue (0%)



Red (0%)

Yellow (99%)

Blue (59%)

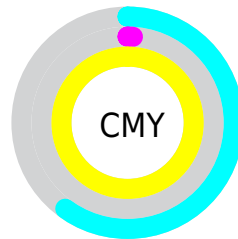


Cyan (60%)

Magenta (0%)

Yellow (100%)

Black (1%)



Cyan (60%)


Magenta (1%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.1772, 72.3875, 11.8546 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 40.1772, 72.3875, 11.8546 by changing the saturation by 10% instead.


 40.1772, 72.3875,
11.8546


 40.1772, 72.3875,
11.8546


337.9915,
468.8892, 214.3840


 27.8616, 53.4753,
6.5234


 74.7159, 122.6073,
29.8904

 18.3612, 38.1823,
3.0920


 97.6697, 154.6837,
43.4322


 11.3109, 26.1242,
1.1418


 124.9002,
191.9169, 60.5478

 6.3452, 16.9166,
0.0000

 156.7728,
234.6913, 81.6560

 3.0987, 10.1750,
0.0000

 193.6529,
283.3913, 107.1751

 1.2062, 5.5152,
0.0000

 235.9058,

 0.1112, 2.5526,

338.4014, 137.5238

0.0000

283.8969,
400.1059, 173.1205

■ 0.0000, 0.9029,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.1772, 72.3875,
11.8546

■ 40.1772, 72.3875,
11.8546

■ 40.1762, 72.3892,
11.8550

■ 42.2060, 73.4150,
12.8792

■ 44.7890, 74.6996,
15.1253

■ 48.0127, 76.2798,
18.9648

■ 51.9338, 78.1800,
24.6237

■ 56.6011, 80.4213,
32.2918

■ 62.0585, 83.0224,
42.1346

■ 68.3457, 86.0008,
54.3009

■ 75.4997, 89.3726,
68.9260

■ 83.5550, 93.1526,
86.1349

Harmonies

Analogous

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



59.2647, 72.3875, 4.6517



40.1772, 72.3875, 11.8546



30.7059, 72.3875, 40.3133

Triad

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



40.1772, 72.3875, 11.8546



53.5563, 72.3875, 316.5240



132.5378, 72.3875, 53.4727

Complementary

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



40.1772, 72.3875, 11.8546



30.3423, 13.6128, 93.1278

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.



129.8516, 72.3875, 136.2900



40.1772, 72.3875, 11.8546



79.3116, 72.3875, 329.3330

Square

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



40.1772, 72.3875, 11.8546



36.9343, 72.3875, 221.1253



108.5511, 72.3875, 249.4438



115.1485, 72.3875, 16.1557

Rectangle

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



40.1772, 72.3875, 11.8546



29.1446, 72.3875, 82.0352



108.5511, 72.3875, 249.4438



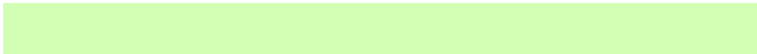
134.0502, 72.3875, 75.6855

Sweetspot

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



40.1789, 72.3906, 11.8562



70.1840, 88.3321, 55.7339



50.5834, 41.5696, 5.3588



14.4166, 18.6202, 10.7373



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.



40.1789, 72.3906, 11.8562



41.2596, 74.3551, 12.1774



34.9481, 69.6783, 12.3185



17.6756, 19.6486, 18.3233



21.0828, 37.7869, 6.1824



2.0687, 3.5595, 0.5780

Inverse Universe

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



30.3423, 13.6128, 93.1278



31.1535, 13.9751, 95.6632



54.5719, 26.4671, 77.8393



17.2808, 17.1574, 21.7862



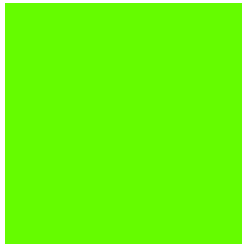
15.9743, 7.1777, 48.5171



1.5991, 0.7265, 4.4991

Previews

White Background



This preview shows how the XYZ color 40.1772, 72.3875, 11.8546 looks on a white background.

Color Contrast Check

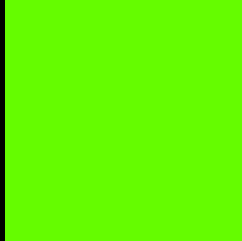
Large Text (above 18pt) WCAG AA × Fail

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 40.1772, 72.3875, 11.8546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

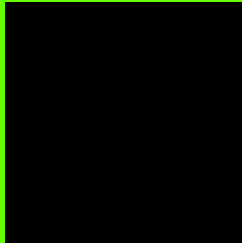
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.1772, 72.3875, 11.8546

Background



This preview shows how black text looks on a background with the XYZ color 40.1772, 72.3875, 11.8546.



This preview shows how white text looks on a background with the XYZ color 40.1772, 72.3875,

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

40.1772, 72.3875, 11.8546

Protanopia

63.9510, 70.9606, 10.3262

Deuteranopia

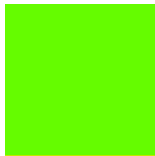
70.4591, 71.0184, 38.4281



Tritanopia

58.3078, 71.6883, 103.6926

Trichromacy



Original Color

40.1772, 72.3875, 11.8546



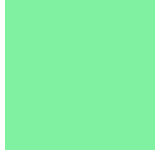
Protanomaly

51.1047, 69.1826, 10.6601



Deuteranomaly

53.0878, 67.9065, 21.1357



Tritanomaly

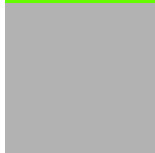
46.6407, 69.9958, 44.7705

Monochromacy



Original Color

40.1772, 72.3875, 11.8546



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

37.3896, 51.3389, 23.5615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1772, 72.3875, 11.8546 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(101, 252, 0)` looks like.

```
.text, #text, p{  
    color:rgb(101, 252, 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(101, 252, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 252, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.1772, 72.3875, 11.8546 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(101, 252, 0) }
```


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

```
.border{ border-color:rgb(101, 252, 0) }
```

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

Here you see how a box with a 4 pixel rgb(101, 252, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 252, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 252, 0);  
box-shadow:4px 4px 4px 4px rgb(101, 252,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1772, 72.3875, 11.8546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 252, 0) }
```

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

```
.background{ background-color: rgb(101,  
252, 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