

Converting Colors

XYZ(40.5720, 74.0007, 12.1452)

Have a look what the booklet for
XYZ(40.5720, 74.0007, 12.1452)
contains.

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Color

**XYZ(40.5839, 74.0068,
12.1458)**

Conversions

Conversions Part 1

Format	Color
Hex	60FF00
RGB	96, 255, 0
RGB Percent	38%, 100%, 0%
CMY	0.6235, 0.0000, 0.9998
CMYK	0.62, 0.00, 1.00, 0.00
HSL	97°, 100%, 50%
HSV	97°, 100%, 100%
XYZ	40.5839, 74.0068, 12.1458
YIQ	178.3890, -12.9090, -113.0130

Conversions

Conversions Part 2

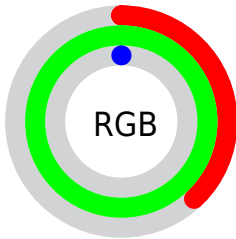
Format	Color
RYB	0, 255, 159
Decimal	6356736
CIELab	88.93, -75.76, 84.63
CIELCh	89, 113.584, 131.833
Yxy	74.0068, 0.3202, 0.5839
Android (android.graphics.Color)	4284546816 (0xFF60FF00)
YUV	178.3890, -87.9458, -72.2552
Hunter-Lab	86.0272, -66.3391, 51.8482

Details

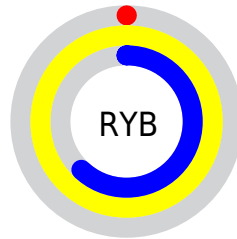
The XYZ color **40.5839, 74.0068, 12.1458** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **32.3567, 14.5960, 95.7197**, and the grayscale version is **42.9829, 45.2213, 49.2460**.

A 20% lighter version of the original color is **53.0456, 80.2028, 23.0408**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **40.5812, 74.0054, 12.1456**, and if you desaturate by 10%, it is **42.6110, 75.0309, 13.1872**.

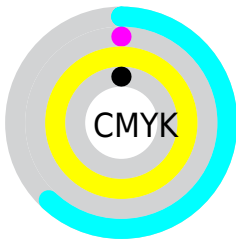
Distribution



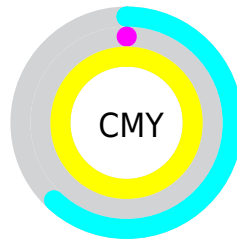
- Red (38%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (62%)



- Cyan (62%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (62%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5839, 74.0068, 12.1458 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 40.5839, 74.0068, 12.1458 by changing the saturation by 10% instead.


 40.5839, 74.0068,
12.1458


 40.5839, 74.0068,
12.1458


339.6709,
474.4968, 216.3802


 28.1803, 54.7996,
6.7193


 75.3305, 124.9054,
30.4287

 18.6028, 39.2413,
3.2114


 98.4043, 157.3657,
44.1223


 11.4859, 26.9475,
1.2036

 125.7656,
195.0124, 61.4085

 6.4644, 17.5338,
0.0000

 157.7796,
238.2300, 82.7061

 3.1728, 10.6158,
0.0000

 194.8118,
287.4028, 108.4335

 1.2458, 5.8091,
0.0000

 237.2275,

 0.1421, 2.7294,

342.9153, 139.0093

0.0000

285.3921,
405.1519, 174.8520

■ 0.0000, 0.9921,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.5839, 74.0068,
12.1458

■ 40.5839, 74.0068,
12.1458

■ 40.5812, 74.0054,
12.1456

■ 42.6110, 75.0309,
13.1872

■ 45.2312, 76.3335,
15.4866

■ 48.5340, 77.9524,
19.4248

■ 52.5797, 79.9136,
25.2347

■ 57.4206, 82.2399,
33.1116

■ 63.1036, 84.9516,
43.2262

■ 69.6714, 88.0674,
55.7315

■ 77.1634, 91.6046,
70.7671

■ 85.6167, 95.5796,
88.4617

Harmonies

Analogous

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



60.0233, 74.0068, 4.6157



40.5839, 74.0068, 12.1458



31.0458, 74.0068, 41.9176

Triad

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



40.5839, 74.0068, 12.1458



55.0777, 74.0068, 327.9389



136.0076, 74.0068, 53.2910

Complementary

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



40.5839, 74.0068, 12.1458



32.3567, 14.5960, 95.7197

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.



133.6692, 74.0068, 137.7712



40.5839, 74.0068, 12.1458



81.7787, 74.0068, 339.1264

Square

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



40.5839, 74.0068, 12.1458



37.7817, 74.0068, 230.1243



111.9405, 74.0068, 254.8257



117.6791, 74.0068, 15.8230

Rectangle

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



40.5839, 74.0068, 12.1458



29.5547, 74.0068, 85.5352



111.9405, 74.0068, 254.8257



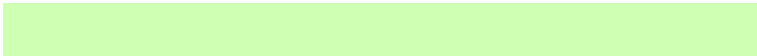
137.7207, 74.0068, 75.8216

Sweetspot

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



40.5841, 74.0069, 12.1469



69.6601, 88.0620, 55.7094



53.3422, 45.4641, 5.9652



14.2939, 18.5570, 10.7316



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.



40.5841, 74.0069, 12.1469



40.5812, 74.0054, 12.1456



35.9921, 71.6129, 13.1397



18.4175, 20.5012, 19.1307



21.3564, 38.7477, 6.3535



2.1959, 3.8328, 0.6241

Inverse Universe

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



32.3567, 14.5960, 95.7197



32.3532, 14.5936, 95.7194



54.8658, 26.7111, 73.6805



18.0914, 17.9389, 22.7590



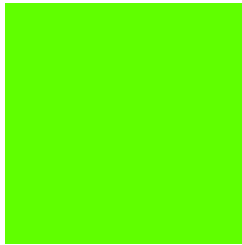
17.0763, 7.7136, 50.0234



1.7839, 0.8136, 4.8763

Previews

White Background



This preview shows how the XYZ color 40.5839, 74.0068, 12.1458 looks on a white background.

Color Contrast Check

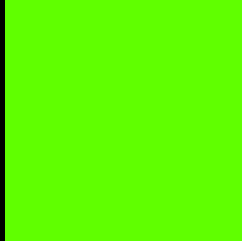
Large Text (above 18pt) WCAG AA × Fail

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 40.5839, 74.0068, 12.1458 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 40.5839, 74.0068, 12.1458

Background



This preview shows how black text looks on a background with the XYZ color 40.5839, 74.0068, 12.1458.



This preview shows how white text looks on a background with the XYZ color 40.5839, 74.0068,

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

40.5839, 74.0068, 12.1458

Protanopia

65.5456, 72.5665, 10.5521

Deuteranopia

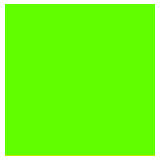
71.6262, 72.2952, 42.0775



Tritanopia

59.3731, 73.0505, 105.5786

Trichromacy



Original Color

40.5839, 74.0068, 12.1458



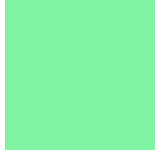
Protanomaly

51.6710, 70.3150, 10.8488



Deuteranomaly

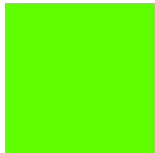
53.6230, 69.3840, 22.6228



Tritanomaly

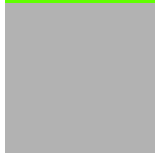
47.1764, 71.1454, 45.4284

Monochromacy



Original Color

40.5839, 74.0068, 12.1458



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

37.2647, 51.6308, 23.6245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5839, 74.0068, 12.1458 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(96, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(96, 255, 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(96, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 255, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.5839, 74.0068, 12.1458 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(96, 255, 0) }
```


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

```
.border{ border-color:rgb(96, 255, 0) }
```

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

Here you see how a box with a 4 pixel rgb(96, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(96, 255, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 40.5839, 74.0068, 12.1458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 255, 0) }
```

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

```
.background{ background-color: rgb(96, 255,  
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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