

Converting Colors

XYZ(43.0121, 75.2343, 13.3565)

Have a look what the booklet for
XYZ(43.0121, 75.2343, 13.3565)
contains.

XYZ(43.0398, 75.2487, 13.3546)	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(43.0398, 75.2487,
13.3546)**

Conversions

Conversions Part 1

Format	Color
Hex	73FF1C
RGB	115, 255, 28
RGB Percent	45%, 100%, 11%
CMY	0.5490, 0.0000, 0.8901
CMYK	0.55, 0.00, 0.89, 0.00
HSL	97°, 100%, 55%
HSV	97°, 89%, 100%
XYZ	43.0398, 75.2487, 13.3546
YIQ	187.2620, -10.5730, -100.2770

Conversions

Conversions Part 2

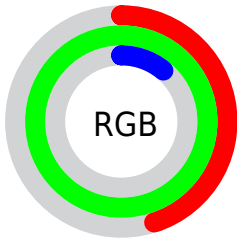
Format	Color
R _Y B	28, 255, 168
Decimal	7601948
CIE Lab	89.51, -70.83, 82.54
CIE LCh	90, 108.765, 130.631
Yxy	75.2487, 0.3269, 0.5716
Android (android.graphics.Color)	4285792028 (0xFF73FF1C)
YUV	187.2620, -78.5162, -63.3738
Hunter-Lab	86.7460, -63.2412, 51.5945

Details

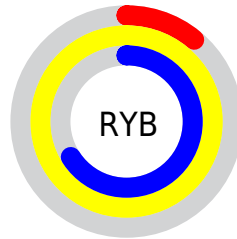
The XYZ color **43.0398, 75.2487, 13.3546** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark washed chartreuse. A complement of this color would be **34.6180, 16.3782, 95.9445**, and the grayscale version is **47.8174, 50.3076, 54.7850**.

A 20% lighter version of the original color is **56.6994, 82.0433, 25.1595**, and **20.6259, 40.2726, 6.6863** is the 20% darker color. If you saturate the color by 10%, you get **40.9491, 74.1935, 12.2348**, and if you desaturate by 10%, it is **45.7325, 76.5854, 15.8030**.

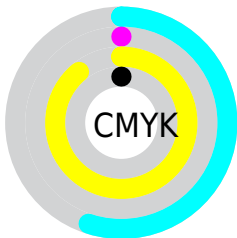
Distribution



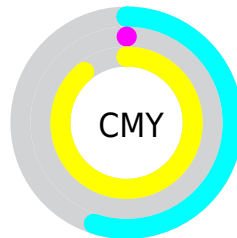
- Red (45%)
- Green (100%)
- Blue (11%)



- Red (11%)
- Yellow (100%)
- Blue (66%)



- Cyan (55%)
- Magenta (0%)
- Yellow (89%)
- Black (0%)





- Cyan (55%)
- Magenta (0%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.0398, 75.2487, 13.3546 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 43.0398, 75.2487, 13.3546 by changing the saturation by 10% instead.


 43.0398, 75.2487,
13.3546


 43.0398, 75.2487,
13.3546


349.6942,
478.7719, 224.4650

 30.1110, 55.8167,
7.5396


 79.0263, 126.6643,
32.6399

 20.0713, 40.0559,
3.7183


 102.8146,
159.4167, 46.9472


 12.5555, 27.5822,
1.4721

 130.9536,
197.3780, 64.9224

 7.1981, 18.0109,
0.1970

 163.8084,
240.9326, 86.9839

 3.6337, 10.9578,
0.0000

 201.7445,
290.4649, 113.5505

 1.4971, 6.0385,
0.0000

 245.1273,

 0.3238, 2.8685,

346.3593, 145.0404

0.0000

294.3221,
409.0002, 181.8724

■ 0.0000, 1.0635,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.0398, 75.2487,
13.3546

■ 43.0398, 75.2487,
13.3546

■ 40.9491, 74.1935,
12.2348

■ 45.7325, 76.5854,
15.8030

■ 40.7666, 74.1010,
12.1543

■ 49.1071, 78.2376,
19.9137

■ 53.2227, 80.2307,
25.9159

■ 58.1304, 82.5867,
34.0023

■ 63.8759, 85.3258,
44.3417

■ 70.5011, 88.4660,
57.0854

■ 78.0450, 92.0245,
72.3719

■ 86.5438, 96.0171,
90.3289

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



62.4661, 75.2487, 5.7453



43.0398, 75.2487, 13.3546



33.2120, 75.2487, 42.2196

Triad

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



43.0398, 75.2487, 13.3546



55.8175, 75.2487, 313.4848



134.7391, 75.2487, 57.7008

Complementary

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



43.0398, 75.2487, 13.3546



34.6180, 16.3782, 95.9445

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.



131.6763, 75.2487, 140.9753



43.0398, 75.2487, 13.3546



81.4126, 75.2487, 327.8750

Square

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



43.0398, 75.2487, 13.3546



39.2187, 75.2487, 219.7292



110.4116, 75.2487, 251.7267



117.9612, 75.2487, 18.6574

Rectangle

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



43.0398, 75.2487, 13.3546



31.5026, 75.2487, 83.5632



110.4116, 75.2487, 251.7267



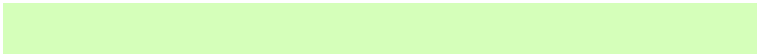
136.0824, 75.2487, 80.3242

Sweetspot

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



43.0399, 75.2487, 13.3557



71.9444, 89.1481, 59.9535



55.4506, 49.3455, 7.7018



14.8797, 18.8358, 11.8041



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.



43.0399, 75.2487, 13.3557



40.7666, 74.1010, 12.1543



36.9170, 72.0382, 15.5108



18.4296, 20.5074, 19.1313



21.4549, 38.7985, 6.3581



2.2063, 3.8382, 0.6246

Inverse Universe

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



34.6180, 16.3782, 95.9445



32.0097, 14.4165, 95.7033



55.7314, 27.7216, 76.1903



18.0790, 17.9324, 22.7584



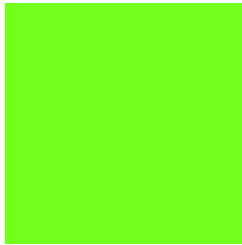
16.8975, 7.6215, 50.0151



1.7672, 0.8049, 4.8755

Previews

White Background



This preview shows how the XYZ color 43.0398, 75.2487, 13.3546 looks on a white background.

Color Contrast Check

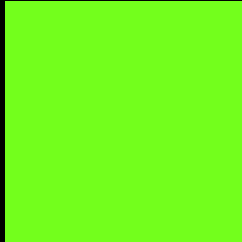
Large Text (above 18pt) WCAG AA × Fail

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 43.0398, 75.2487, 13.3546 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 43.0398, 75.2487, 13.3546

Background



This preview shows how black text looks on a background with the XYZ color 43.0398, 75.2487, 13.3546.



This preview shows how white text looks on a background with the XYZ color 43.0398, 75.2487,

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

43.0398, 75.2487, 13.3546

Protanopia

66.8868, 74.0412, 11.2180

Deuteranopia

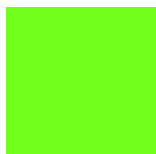
72.7537, 73.5660, 45.4871



Tritanopia

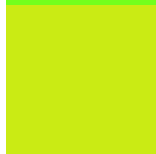
62.0445, 74.8563, 105.7864

Trichromacy



Original Color

43.0398, 75.2487, 13.3546



Protanomaly

54.1917, 72.0237, 11.7076



Deuteranomaly

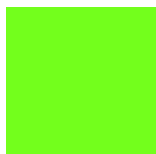
56.5723, 71.2270, 26.9862



Tritanomaly

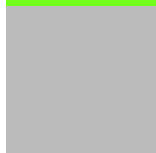
50.7816, 73.3426, 50.5098

Monochromacy



Original Color

43.0398, 75.2487, 13.3546



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

42.2039, 56.2490, 29.4016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.0398, 75.2487, 13.3546 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(115, 255, 28)` looks like.

```
.text, #text, p{  
    color:rgb(115, 255, 28)  
}
```

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(115, 255, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 255, 28) }
```

Border

The CSS property to change the border of an element to XYZ 43.0398, 75.2487, 13.3546 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(115, 255, 28) }
```


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

```
.border{ border-color:rgb(115, 255, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 255, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 255, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 255, 28);  
box-shadow:4px 4px 4px 4px rgb(115, 255,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 43.0398, 75.2487, 13.3546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 255, 28) }
```

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

```
.background{ background-color: rgb(115,  
255, 28) }
```

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