

Converting Colors

XYZ(45.5883, 74.1641, 15.0696)

Have a look what the booklet for
XYZ(45.5883, 74.1641, 15.0696)
contains.

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Color

**XYZ(45.5984, 74.1857,
15.0480)**

Conversions

Conversions Part 1

Format	Color
Hex	8CFA33
RGB	140, 250, 51
RGB Percent	55%, 98%, 20%
CMY	0.4510, 0.0196, 0.8000
CMYK	0.44, 0.00, 0.80, 0.02
HSL	93°, 95%, 59%
HSV	93°, 80%, 98%
XYZ	45.5984, 74.1857, 15.0480
YIQ	194.4240, -1.6810, -85.2090

Conversions

Conversions Part 2

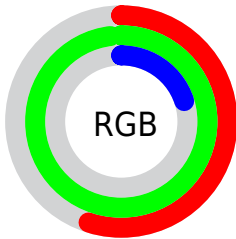
Format	Color
RYB	51, 250, 161
Decimal	9239091
CIELab	89.01, -61.21, 77.65
CIELCh	89, 98.875, 128.250
Yxy	74.1857, 0.3382, 0.5502
Android (android.graphics.Color)	4287429171 (0xFF8CFA33)
YUV	194.4240, -70.7080, -47.7298
Hunter-Lab	86.1311, -56.2304, 49.9332

Details

The XYZ color **45.5984, 74.1857, 15.0480** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **33.1414, 16.8496, 91.9522**, and the grayscale version is **51.9390, 54.6439, 59.5072**.

A 20% lighter version of the original color is **62.8847, 85.1524, 29.0413**, and **22.1305, 39.7177, 6.4999** is the 20% darker color. If you saturate the color by 10%, you get **43.0044, 72.8983, 12.7820**, and if you desaturate by 10%, it is **48.7843, 75.7487, 18.8891**.

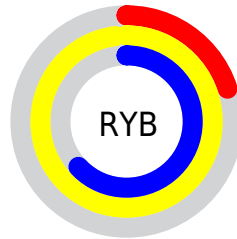
Distribution



Red (55%)

Green (98%)

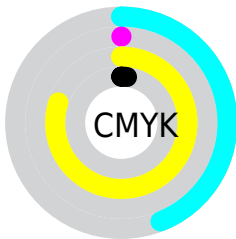
Blue (20%)



Red (20%)

Yellow (98%)

Blue (63%)

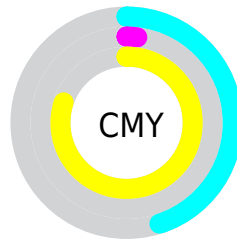


Cyan (44%)

Magenta (0%)

Yellow (80%)

Black (2%)



Cyan (45%)


Magenta (2%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5984, 74.1857, 15.0480 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 45.5984, 74.1857, 15.0480 by changing the saturation by 10% instead.


 45.5984, 74.1857,
15.0480


 45.5984, 74.1857,
15.0480


359.9348,
475.1140, 235.3073

 32.1323, 54.9460,
8.7061


 82.8492, 125.1590,
35.6809


 21.6186, 39.3585,
4.4558


 107.3646,
157.6615, 50.8089


 13.6920, 27.0387,
1.8786


 136.2939,
195.3536, 69.7027

 7.9870, 17.6023,
0.4790

 170.0023,
238.6199, 92.7808

 4.1384, 10.6649,
0.0000

 208.8552,
287.8447, 120.4618

 1.7807, 5.8420,
0.0000

253.2180,

 0.5060, 2.7492,

343.4124, 153.1642

0.0000

303.4561,
405.7074, 191.3065

■ 0.0000, 1.0023,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.5984, 74.1857,
15.0480

■ 45.5984, 74.1857,
15.0480

■ 43.0044, 72.8983,
12.7820

■ 48.7843, 75.7487,
18.8891

■ 40.9206, 71.8449,
11.7397

■ 52.6087, 77.5996,
24.5202

■ 40.8440, 71.8061,
11.7073

■ 57.1181, 79.7606,
32.1274

■ 62.3525, 82.2487,
41.8725

68.3482, 85.0796,
53.9004

75.1387, 88.2676,
68.3434

82.7556, 91.8263,
85.3237

91.2283, 95.7684,
104.9552

93.4772, 96.8544,
108.3757

Harmonies

Analogous

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



64.0866, 74.1857, 7.8387



45.5984, 74.1857, 15.0480



35.7115, 74.1857, 40.9909

Triad

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



45.5984, 74.1857, 15.0480



54.7369, 74.1857, 276.5807



126.8402, 74.1857, 63.2358

Complementary

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



45.5984, 74.1857, 15.0480



33.1414, 16.8496, 91.9522

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.



122.7270, 74.1857, 140.4083



45.5984, 74.1857, 15.0480



77.3517, 74.1857, 295.2790

Square

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



45.5984, 74.1857, 15.0480



40.0921, 74.1857, 193.5259



103.1617, 74.1857, 235.6465



113.3810, 74.1857, 23.4245

Rectangle

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



45.5984, 74.1857, 15.0480



33.6750, 74.1857, 76.8007



103.1617, 74.1857, 235.6465



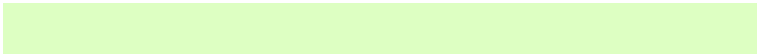
127.5168, 74.1857, 84.8854

Sweetspot

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



45.6001, 74.1889, 15.0496



75.3453, 90.8047, 64.4772



52.6741, 45.8645, 9.2096



15.5926, 19.1849, 12.6717



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.



45.6001, 74.1889, 15.0496



43.5164, 75.5121, 12.5747



36.3941, 69.4149, 15.8894



17.7543, 19.6891, 18.3270



21.8239, 38.1689, 6.2171



2.1412, 3.5969, 0.5814

Inverse Universe

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



33.1414, 16.8496, 91.9522



29.9307, 13.5091, 95.6377



56.3468, 28.9880, 85.1066



17.2005, 17.1160, 21.7824



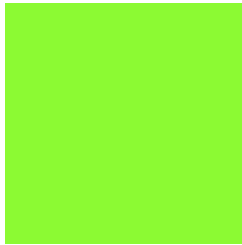
14.8982, 6.6230, 48.4667



1.5019, 0.6763, 4.4946

Previews

White Background



This preview shows how the XYZ color 45.5984, 74.1857, 15.0480 looks on a white background.

Color Contrast Check

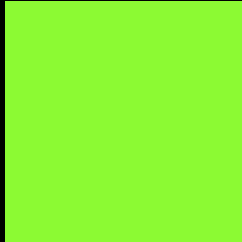
Large Text (above 18pt) WCAG AA × Fail

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 45.5984, 74.1857, 15.0480 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

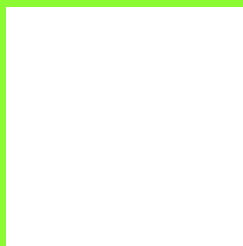
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.5984, 74.1857, 15.0480

Background



This preview shows how black text looks on a background with the XYZ color 45.5984, 74.1857, 15.0480.



This preview shows how white text looks on a background with the XYZ color 45.5984, 74.1857,

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

45.5984, 74.1857, 15.0480

Protanopia

66.2666, 73.2812, 13.0349

Deuteranopia

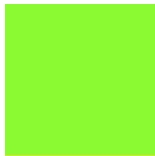
72.1410, 72.9098, 43.5285



Tritanopia

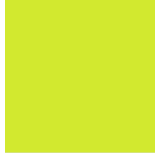
63.0718, 73.7411, 103.0047

Trichromacy



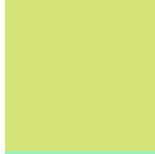
Original Color

45.5984, 74.1857, 15.0480



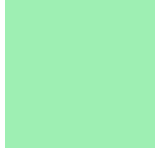
Protanomaly

56.2303, 72.1847, 13.6587



Deuteranomaly

58.5741, 70.9890, 28.3844



Tritanomaly

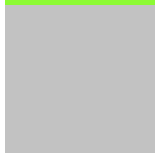
53.1037, 72.2568, 53.7959

Monochromacy



Original Color

45.5984, 74.1857, 15.0480



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

46.3846, 59.0448, 34.5432

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5984, 74.1857, 15.0480 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(140, 250, 51)` looks like.

```
.text, #text, p{  
    color:rgb(140, 250, 51)  
}
```

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(140, 250, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 250, 51) }
```

Border

The CSS property to change the border of an element to XYZ 45.5984, 74.1857, 15.0480 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(140, 250, 51) }
```


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

```
.border{ border-color:rgb(140, 250, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 250, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 250, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 250, 51);  
box-shadow:4px 4px 4px 4px rgb(140, 250,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5984, 74.1857, 15.0480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 250, 51) }
```

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

```
.background{ background-color: rgb(140,  
250, 51) }
```

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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