

# Converting Colors

XYZ(41.2815, 74.2974, 15.2970)

Have a look what the booklet for  
XYZ(41.2815, 74.2974, 15.2970)  
contains.

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# Color

**XYZ(41.2873, 74.3004,  
15.2973)**

# Conversions

## Conversions Part 1

Format	Color
Hex	61FF33
RGB	97, 255, 51
RGB Percent	38%, 100%, 20%
CMY	0.6196, 0.0000, 0.8000
CMYK	0.62, 0.00, 0.80, 0.00
HSL	106°, 100%, 60%
HSV	106°, 80%, 100%
XYZ	41.2873, 74.3004, 15.2973
YIQ	184.5020, -28.6840, -96.9400

# Conversions

## Conversions Part 2

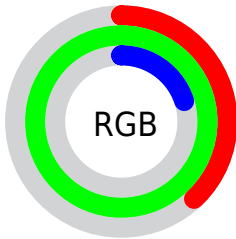
Format	Color
<a href="#">RYB</a>	<a href="#">51, 255, 209</a>
Decimal	<a href="#">6422323</a>
<a href="#">CIELab</a>	<a href="#">89.06, -74.19, 77.17</a>
<a href="#">CIElCh</a>	<a href="#">89, 107.052, 133.871</a>
<a href="#">Yxy</a>	<a href="#">74.3004, 0.3154, 0.5677</a>
Android (android.graphics.Color)	<a href="#">4284612403</a> ( <a href="#">0xFF61FF33</a> )
<a href="#">YUV</a>	<a href="#">184.5020, -65.8165, -76.7393</a>
<a href="#">Hunter-Lab</a>	<a href="#">86.1977, -65.3473, 49.8163</a>

# Details

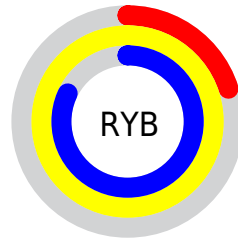
The XYZ color **41.2873, 74.3004, 15.2973** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **45.5315, 23.1453, 96.6754**, and the grayscale version is **46.2031, 48.6093, 52.9355**.

A 20% lighter version of the original color is **54.1071, 80.6274, 28.6305**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **39.0217, 73.1806, 13.0174**, and if you desaturate by 10%, it is **44.3850, 75.8136, 19.2249**.

# Distribution



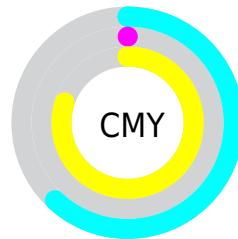
- Red (38%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (82%)



- Cyan (62%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)




- Cyan (62%)
- Magenta (0%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2873, 74.3004, 15.2973 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 41.2873, 74.3004, 15.2973 by changing the saturation by 10% instead.





 41.2873, 74.3004,  
15.2973


 41.2873, 74.3004,  
15.2973


342.5621,  
475.5095, 236.8612

 28.7323, 55.0399,  
8.8794


 76.3918, 125.3216,  
36.1235


 19.0217, 39.4337,  
4.5668


 99.6720, 157.8510,  
51.3689


 11.7900, 27.0973,  
1.9412


 127.2580,  
195.5723, 70.3939

 6.6721, 17.6463,  
0.5188

 159.5151,  
238.8698, 93.6170

 3.3024, 10.6964,  
0.0000

 196.8087,  
288.1279, 121.4567

 1.3156, 5.8630,  
0.0000

239.5042,

 0.1949, 2.7620,

343.7309, 154.3316

0.0000

287.9668,  
406.0633, 192.6602

■ 0.0000, 1.0088,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 41.2873, 74.3004,  
15.2973

■ 41.2873, 74.3004,  
15.2973

■ 39.0217, 73.1806,  
13.0174

■ 44.3850, 75.8136,  
19.2249

■ 37.4759, 72.4046,  
12.0006

■ 48.3938, 77.7559,  
25.0307

■ 37.4754, 72.4043,  
12.0003

■ 53.3834, 80.1588,  
32.9119

■ 59.4159, 83.0508,  
43.0401

■ 66.5484, 86.4578,  
55.5689

■ 74.8333, 90.4038,  
70.6384

■ 84.3199, 94.9115,  
88.3781

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.



59.2811, 74.3004, 6.2658



41.2873, 74.3004, 15.2973



32.6080, 74.3004, 47.2396

# Triad

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



41.2873, 74.3004, 15.2973



57.6015, 74.3004, 311.7106



131.2534, 74.3004, 51.1559

# Complementary

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



41.2873, 74.3004, 15.2973



45.5315, 23.1453, 96.6754

# 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.



130.4830, 74.3004, 127.6438



41.2873, 74.3004, 15.2973



83.3204, 74.3004, 315.3186

# Square

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



41.2873, 74.3004, 15.2973



40.3196, 74.3004, 226.5745



111.3258, 74.3004, 234.6058



113.2261, 74.3004, 16.6516



# Rectangle

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



41.2873, 74.3004, 15.2973



31.5112, 74.3004, 90.9760



111.3258, 74.3004, 234.6058



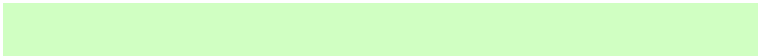
133.2991, 74.3004, 71.5978

# Sweetspot

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



41.2875, 74.3005, 15.2984



71.3746, 88.7577, 64.2914



64.2482, 66.3199, 12.5479



14.6524, 18.7002, 12.6277



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.



41.2875, 74.3005, 15.2984



38.0218, 72.6796, 12.3175



39.6965, 73.2524, 25.5215



18.1546, 20.3656, 19.1184



19.6866, 37.8869, 6.2753



2.0063, 3.7350, 0.6152



# Inverse Universe

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



45.5315, 23.1453, 96.6754



41.9292, 19.6945, 96.1993



52.9202, 27.8269, 57.5955



18.3686, 18.0817, 22.7719



21.6682, 10.0808, 50.2383

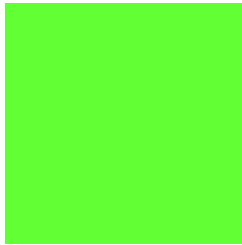


2.2032, 1.0297, 4.8959



# Previews

## White Background



This preview shows how the XYZ color 41.2873, 74.3004, 15.2973 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

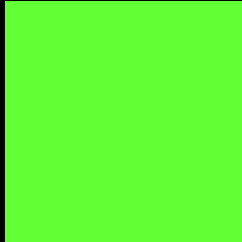
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.2873, 74.3004, 15.2973 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

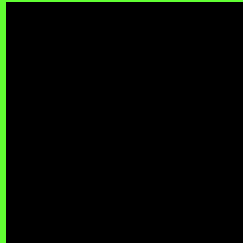
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

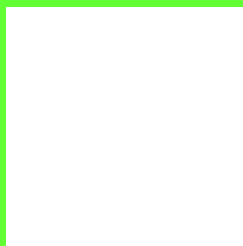
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 41.2873, 74.3004, 15.2973**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.2873, 74.3004, 15.2973.



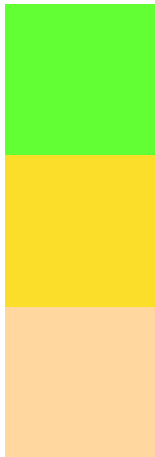
This preview shows how white text looks on a background with the XYZ color 41.2873, 74.3004,



# 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

41.2873, 74.3004, 15.2973

### Protanopia

65.9635, 72.7337, 12.7528

### Deuteranopia

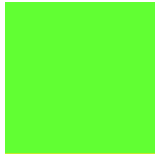
71.7984, 72.3641, 42.9844



## Tritanopia

60.0112, 73.8081, 105.6912

# Trichromacy



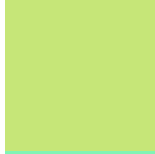
## Original Color

41.2873, 74.3004, 15.2973



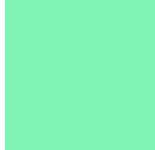
## Protanomaly

52.1446, 70.5044, 13.3430



## Deuteranomaly

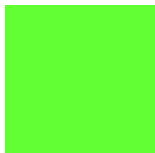
54.9757, 69.9555, 28.3745



## Tritanomaly

49.5933, 72.6268, 55.1206

# Monochromacy



## Original Color

41.2873, 74.3004, 15.2973



## Achromatopsia

46.1135, 48.5150, 52.8328



## Achromatomaly

40.6274, 54.6431, 31.6984

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.2873, 74.3004, 15.2973 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(97, 255, 51)` looks like.

```
.text, #text, p{  
  color:rgb(97, 255, 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(97, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 255, 51) }
```

## Border

The CSS property to change the border of an element to XYZ 41.2873, 74.3004, 15.2973 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(97, 255, 51) }
```



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

```
.border{ border-color:rgb(97, 255, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(97, 255,  
51) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.2873, 74.3004, 15.2973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 255, 51) }
```

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

```
.background{ background-color: rgb(97, 255,  
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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