

Converting Colors

XYZ(43.6967, 73.6967, 13.8673)

Have a look what the booklet for
XYZ(43.6967, 73.6967, 13.8673)
contains.

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Color

**XYZ(43.6158, 73.6529,
13.8371)**

Conversions

Conversions Part 1

Format	Color
Hex	7FFB27
RGB	127, 251, 39
RGB Percent	50%, 98%, 15%
CMY	0.5020, 0.0157, 0.8470
CMYK	0.49, 0.00, 0.84, 0.02
HSL	95°, 96%, 57%
HSV	95°, 84%, 98%
XYZ	43.6158, 73.6529, 13.8371
YIQ	189.7560, -5.8520, -92.2200

Conversions

Conversions Part 2

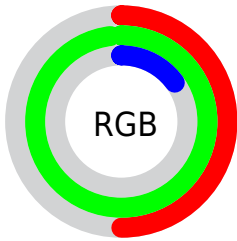
Format	Color
R_{YB}	39, 251, 163
Decimal	8387367
CIE _{Lab}	88.76, -65.88, 80.07
CIE _{LCh}	89, 103.687, 129.450
Yxy	73.6529, 0.3327, 0.5618
Android (android.graphics.Color)	4286577447 (0xFF7FFB27)
YUV	189.7560, -74.3227, -55.0370
Hunter-Lab	85.8213, -59.4705, 50.5155

Details

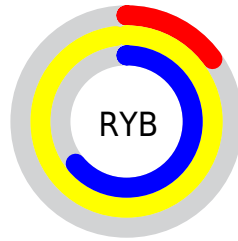
The XYZ color **43.6158, 73.6529, 13.8371** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **33.2473, 16.2057, 92.6466**, and the grayscale version is **49.2222, 51.7856, 56.3945**.

A 20% lighter version of the original color is **59.3478, 83.3794, 26.6016**, and **20.8149, 39.0395, 6.4383** is the 20% darker color. If you saturate the color by 10%, you get **41.2999, 72.4945, 12.2285**, and if you desaturate by 10%, it is **46.5283, 75.0917, 16.9092**.

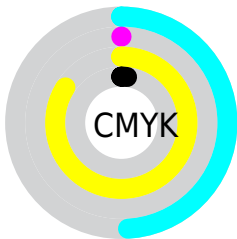
Distribution



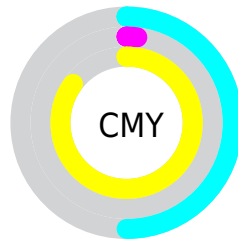
- Red (50%)
- Green (98%)
- Blue (15%)



- Red (15%)
- Yellow (98%)
- Blue (64%)



- Cyan (49%)
- Magenta (0%)
- Yellow (84%)
- Black (2%)





- Cyan (50%)
- Magenta (2%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.6158, 73.6529, 13.8371 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 43.6158, 73.6529, 13.8371 by changing the saturation by 10% instead.


 43.6158, 73.6529,
13.8371


 43.6158, 73.6529,
13.8371


352.0169,
473.2745, 227.6081


 30.5652, 54.5100,
7.8700


 79.8892, 124.4036,
33.5127


 20.4182, 39.0095,
3.9253


 103.8428,
156.7803, 48.0582


 12.8094, 26.7672,
1.5845


 132.1613,
194.3369, 66.3003

 7.3735, 17.3984,
0.2797

 165.2103,
237.4580, 88.6575

 3.7452, 10.5190,
0.0000

 203.3549,
286.5279, 115.5484

 1.5590, 5.7444,
0.0000

246.9607,

 0.3655, 2.6903,

341.9311, 147.3914

0.0000

296.3929,
404.0518, 184.6051

■ 0.0000, 0.9723,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.6158, 73.6529,
13.8371

■ 43.6158, 73.6529,
13.8371

■ 41.2999, 72.4945,
12.2285

■ 46.5283, 75.0917,
16.9092

■ 40.2285, 71.9513,
11.7677

■ 50.0919, 76.8267,
21.6872

■ 54.3588, 78.8828,
28.3744

■ 59.3735, 81.2790,
37.1444

65.1760, 84.0327,
48.1512

71.8033, 87.1599,
61.5344

79.2899, 90.6755,
77.4220

87.6679, 94.5934,
95.9332

93.7887, 97.4775,
108.4796

Harmonies

Analogous

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



62.3817, 73.6529, 6.5430



43.6158, 73.6529, 13.8371



33.8618, 73.6529, 40.8275

Triad

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



43.6158, 73.6529, 13.8371



54.4044, 73.6529, 291.4943



129.1648, 73.6529, 59.5893

Complementary

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



43.6158, 73.6529, 13.8371



33.2473, 16.2057, 92.6466

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.



125.5668, 73.6529, 139.1029



43.6158, 73.6529, 13.8371



78.2251, 73.6529, 308.1478

Square

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



43.6158, 73.6529, 13.8371



38.9789, 73.6529, 203.8571



105.3359, 73.6529, 241.1058



114.2368, 73.6529, 20.5565

Rectangle

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



43.6158, 73.6529, 13.8371



32.0071, 73.6529, 78.8769



105.3359, 73.6529, 241.1058



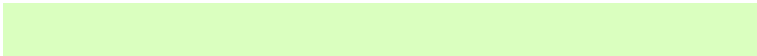
130.1484, 73.6529, 81.5287

Sweetspot

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



43.6175, 73.6561, 13.8387



74.0181, 90.1533, 62.9347



53.1914, 46.7358, 8.1380



15.3083, 19.0446, 12.3755



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.



43.6175, 73.6561, 13.8387



41.6845, 74.5742, 12.1973



36.0665, 69.7213, 15.3857



17.6999, 19.6611, 18.3245



21.3013, 37.8995, 6.1926



2.0903, 3.5707, 0.5790

Inverse Universe

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



33.2473, 16.2057, 92.6466



30.4742, 13.6249, 95.6314



55.2679, 27.8646, 79.8104



17.2560, 17.1446, 21.7850



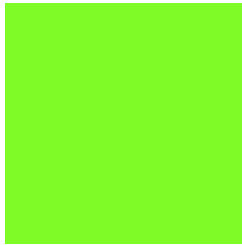
15.6306, 7.0006, 48.5010



1.5683, 0.7105, 4.4977

Previews

White Background



This preview shows how the XYZ color 43.6158, 73.6529, 13.8371 looks on a white background.

Color Contrast Check

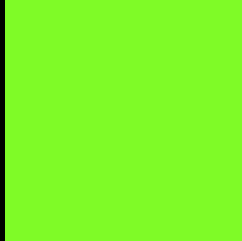
Large Text (above 18pt) WCAG AA × Fail

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 43.6158, 73.6529, 13.8371 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 43.6158, 73.6529, 13.8371

Background



This preview shows how black text looks on a background with the XYZ color 43.6158, 73.6529, 13.8371.

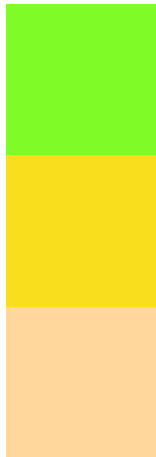


This preview shows how white text looks on a background with the XYZ color 43.6158, 73.6529, 13.8371.

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

43.6158, 73.6529, 13.8371

Protanopia

65.4225, 72.4760, 11.7694

Deuteranopia

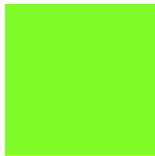
71.6262, 72.2952, 42.0775



Tritanopia

61.4907, 73.3475, 103.0120

Trichromacy



Original Color

43.6158, 73.6529, 13.8371



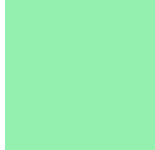
Protanomaly

54.5903, 71.3668, 12.3368



Deuteranomaly

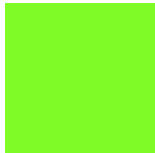
56.7931, 70.1116, 26.4592



Tritanomaly

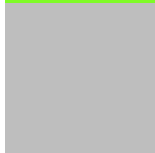
51.1107, 71.7112, 51.7053

Monochromacy



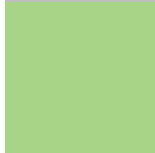
Original Color

43.6158, 73.6529, 13.8371



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

43.8530, 57.0517, 31.6225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.6158, 73.6529, 13.8371 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(127, 251, 39)` looks like.

```
.text, #text, p{  
    color:rgb(127, 251, 39)  
}
```

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(127, 251, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 251, 39) }
```

Border

The CSS property to change the border of an element to XYZ 43.6158, 73.6529, 13.8371 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(127, 251, 39) }
```


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

```
.border{ border-color:rgb(127, 251, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 251, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 251, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 251, 39);  
box-shadow:4px 4px 4px 4px rgb(127, 251,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 43.6158, 73.6529, 13.8371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 251, 39) }
```

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

```
.background{ background-color: rgb(127,  
251, 39) }
```

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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