

Converting Colors

XYZ(43.8591, 73.7487, 15.1116)

Have a look what the booklet for
XYZ(43.8591, 73.7487, 15.1116)
contains.

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Color

**XYZ(43.8471, 73.7454,
15.0553)**

Conversions

Conversions Part 1

Format	Color
Hex	7FFB33
RGB	127, 251, 51
RGB Percent	50%, 98%, 20%
CMY	0.5020, 0.0157, 0.8000
CMYK	0.49, 0.00, 0.80, 0.02
HSL	97°, 96%, 59%
HSV	97°, 80%, 98%
XYZ	43.8471, 73.7454, 15.0553
YIQ	191.1240, -9.7040, -88.4880

Conversions

Conversions Part 2

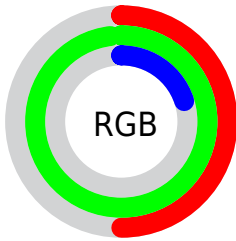
Format	Color
RYB	51, 251, 175
Decimal	8387379
CIELab	88.80, -65.39, 77.27
CIELCh	89, 101.228, 130.239
Yxy	73.7454, 0.3306, 0.5559
Android (android.graphics.Color)	4286577459 (0xFF7FFB33)
YUV	191.1240, -69.0811, -56.2367
Hunter-Lab	85.8751, -59.1410, 49.7181

Details

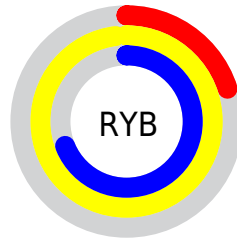
The XYZ color **43.8471, 73.7454, 15.0553** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **36.2802, 18.4496, 92.9198**, and the grayscale version is **49.9879, 52.5912, 57.2718**.

A 20% lighter version of the original color is **59.7835, 83.5537, 28.8961**, and **20.8736, 39.0697, 6.4411** is the 20% darker color. If you saturate the color by 10%, you get **41.2947, 72.4795, 12.7855**, and if you desaturate by 10%, it is **47.0592, 75.3215, 18.9158**.

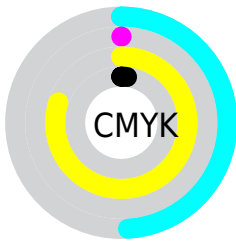
Distribution



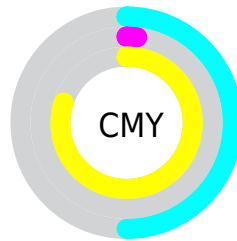
- Red (50%)
- Green (98%)
- Blue (20%)



- Red (20%)
- Yellow (98%)
- Blue (69%)



- Cyan (49%)
- Magenta (0%)
- Yellow (80%)
- Black (2%)





- Cyan (50%)
- Magenta (2%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.8471, 73.7454, 15.0553 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 43.8471, 73.7454, 15.0553 by changing the saturation by 10% instead.

 43.8471, 73.7454,
15.0553


 43.8471, 73.7454,
15.0553


352.9467,
473.5942, 235.3530


 30.7477, 54.5857,
8.7112


 80.2354, 124.5348,
35.6938

 20.5577, 39.0701,
4.4590


 104.2550,
156.9333, 50.8253

 12.9117, 26.8143,
1.8804


 132.6454,
194.5135, 69.7230

 7.4443, 17.4338,
0.4802

 165.7720,
237.6599, 92.8054

 3.7903, 10.5442,
0.0000

 204.0000,
286.7567, 120.4910

 1.5842, 5.7613,
0.0000

247.6949,

 0.3821, 2.7005,

342.1884, 153.1985

0.0000

297.2220,
404.3395, 191.3463

■ 0.0000, 0.9774,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.8471, 73.7454,
15.0553

■ 43.8471, 73.7454,
15.0553

■ 41.2947, 72.4795,
12.7855

■ 47.0592, 75.3215,
18.9158


■ 39.3137, 71.4791,
11.7480


■ 50.9834, 77.2231,
24.5846


■ 39.2567, 71.4503,
11.7222


■ 55.6712, 79.4749,
32.2502

■ 61.1672, 82.0964,
42.0761

 67.5122, 85.1054,
54.2093

 74.7439, 88.5184,
68.7834

 82.8975, 92.3508,
85.9221

 92.0063, 96.6174,
105.7406

 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.



62.0457, 73.7454, 7.2538



43.8471, 73.7454, 15.0553



34.4414, 73.7454, 42.7668

Triad

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



43.8471, 73.7454, 15.0553



55.3382, 73.7454, 286.0293



127.4406, 73.7454, 58.6166

Complementary

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



43.8471, 73.7454, 15.0553



36.2802, 18.4496, 92.9198

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.



124.4488, 73.7454, 135.1090



43.8471, 73.7454, 15.0553



78.8073, 73.7454, 299.7656

Square

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



43.8471, 73.7454, 15.0553



39.9250, 73.7454, 202.8267



105.1512, 73.7454, 233.6450



112.5664, 73.7454, 20.8628

Rectangle

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



43.8471, 73.7454, 15.0553



32.7426, 73.7454, 80.8616



105.1512, 73.7454, 233.6450



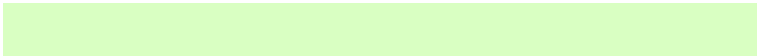
128.5612, 73.7454, 79.7335

Sweetspot

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



43.8488, 73.7486, 15.0569



74.1063, 90.1660, 64.4192



55.5851, 51.1530, 10.0770



15.2978, 19.0329, 12.6579



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.



43.8488, 73.7486, 15.0569



41.4339, 74.4386, 12.4772



37.1121, 70.2006, 18.1333



17.6407, 19.6305, 18.3217



20.7832, 37.6324, 6.1684



2.0386, 3.5440, 0.5766

Inverse Universe

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



36.2802, 18.4496, 92.9198



33.0582, 15.1214, 95.7841



54.9278, 28.4619, 75.7591



17.3168, 17.1760, 21.7879



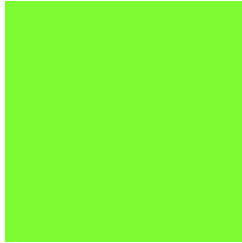
16.4891, 7.4431, 48.5411



1.6451, 0.7501, 4.5013

Previews

White Background



This preview shows how the XYZ color 43.8471, 73.7454, 15.0553 looks on a white background.

Color Contrast Check

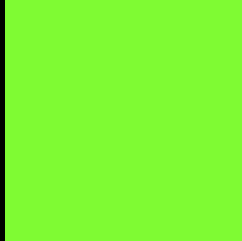
Large Text (above 18pt) WCAG AA × Fail

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 43.8471, 73.7454, 15.0553 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 43.8471, 73.7454, 15.0553

Background



This preview shows how black text looks on a background with the XYZ color 43.8471, 73.7454, 15.0553.

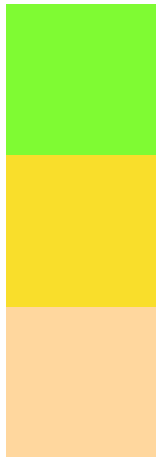


This preview shows how white text looks on a background with the XYZ color 43.8471, 73.7454,

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

43.8471, 73.7454, 15.0553

Protanopia

65.6242, 72.5567, 12.8316

Deuteranopia

71.7120, 72.3295, 42.5291



Tritanopia

61.4505, 73.3084, 103.8397

Trichromacy



Original Color

43.8471, 73.7454, 15.0553



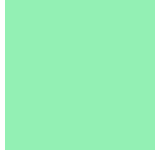
Protanomaly

54.8089, 71.4542, 13.4881



Deuteranomaly

57.0856, 70.2286, 27.9995



Tritanomaly

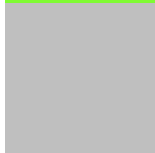
51.4309, 71.8185, 54.3317

Monochromacy



Original Color

43.8471, 73.7454, 15.0553



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

44.6763, 57.8068, 33.6141

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.8471, 73.7454, 15.0553 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(127, 251, 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(127, 251, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 251, 51) }
```

Border

The CSS property to change the border of an element to XYZ 43.8471, 73.7454, 15.0553 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, 51) }
```


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

```
.border{ border-color:rgb(127, 251, 51) }
```

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, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 251, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 251, 51);  
box-shadow:4px 4px 4px 4px rgb(127, 251,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 43.8471, 73.7454, 15.0553 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, 51) }
```

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

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