

Converting Colors

XYZ(38.1851, 71.7452, 15.7332)

Have a look what the booklet for
XYZ(38.1851, 71.7452, 15.7332)
contains.

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Color

**XYZ(38.1785, 71.7393,
15.7057)**

Conversions

Conversions Part 1

Format	Color
Hex	43FD39
RGB	67, 253, 57
RGB Percent	26%, 99%, 22%
CMY	0.7373, 0.0078, 0.7764
CMYK	0.74, 0.00, 0.77, 0.01
HSL	117°, 98%, 61%
HSV	117°, 77%, 99%
XYZ	38.1785, 71.7393, 15.7057
YIQ	175.0420, -47.9400, -100.3880

Conversions

Conversions Part 2

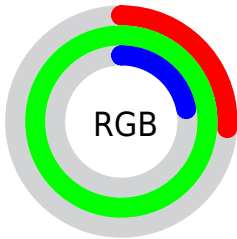
Format	Color
RYB	57, 253, 243
Decimal	4455737
CIELab	87.84, -78.68, 74.15
CIELCh	88, 108.116, 136.698
Yxy	71.7393, 0.3039, 0.5711
Android (android.graphics.Color)	4282645817 (0xFF43FD39)
YUV	175.0420, -58.1947, -94.7528
Hunter-Lab	84.6991, -67.7636, 48.2952

Details

The XYZ color **38.1785, 71.7393, 15.7057** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **56.1607, 29.0763, 95.5847**, and the grayscale version is **41.0807, 43.2201, 47.0667**.

A 20% lighter version of the original color is **50.1853, 78.5788, 29.6617**, and **19.5151, 39.0302, 6.5050** is the 20% darker color. If you saturate the color by 10%, you get **36.3793, 70.8696, 13.1076**, and if you desaturate by 10%, it is **40.9769, 73.0921, 19.9928**.

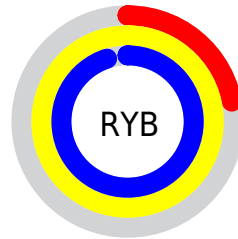
Distribution



Red (26%)

Green (99%)

Blue (22%)



Red (22%)

Yellow (99%)

Blue (95%)

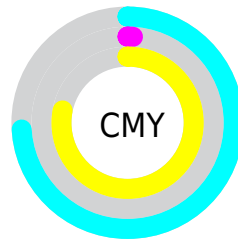


Cyan (74%)

Magenta (0%)

Yellow (77%)

Black (1%)



Cyan (74%)


Magenta (1%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1785, 71.7393, 15.7057 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 38.1785, 71.7393, 15.7057 by changing the saturation by 10% instead.


 38.1785, 71.7393,
15.7057


 38.1785, 71.7393,
15.7057


329.6527,
466.6337, 239.3849


 26.2991, 52.9457,
9.1640


 71.6838, 121.6858,
36.8462


 17.1814, 37.7595,
4.7501


 94.0404, 153.6076,
52.2821


 10.4600, 25.7961,
2.0452


 120.6201,
190.6741, 71.5198

 5.7696, 16.6711,
0.5829

 151.7883,
233.2700, 94.9779

 2.7448, 10.0003,
0.0000

 187.9102,
281.7795, 123.0750

 1.0203, 5.3992,
0.0000

229.3514,

 0.0000, 2.4833,

336.5870, 156.2294

0.0000

276.4771,
398.0769, 194.8599

0.0000, 0.8683,
0.0000

0.0000, 0.0000,
0.0000

38.1785, 71.7393,
15.7057

38.1785, 71.7393,
15.7057

36.3793, 70.8696,
13.1076

40.9769, 73.0921,
19.9928

35.4300, 70.4058,
11.9063

44.8857, 74.9742,
26.1843

35.2912, 70.3383,
11.7166

50.0069, 77.4362,
34.4686

56.4293, 80.5204,
45.0105

■ 64.2338, 84.2652,
57.9582

■ 73.4943, 88.7059,
73.4474

■ 84.2797, 93.8753,
91.6036

94.4168, 98.7335,
108.6889

Harmonies

Analogous

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



54.9519, 71.7393, 5.8535



38.1785, 71.7393, 15.7057



30.5189, 71.7393, 49.8671

Triad

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



38.1785, 71.7393, 15.7057



57.4375, 71.7393, 312.6021



127.3067, 71.7393, 44.1001

Complementary

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



38.1785, 71.7393, 15.7057



56.1607, 29.0763, 95.5847

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.



128.4591, 71.7393, 115.4043



38.1785, 71.7393, 15.7057



83.3908, 71.7393, 307.1637

Square

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



38.1785, 71.7393, 15.7057



39.6022, 71.7393, 232.9784



110.8353, 71.7393, 220.9081



107.9978, 71.7393, 13.7574

Rectangle

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



38.1785, 71.7393, 15.7057



29.9442, 71.7393, 95.8057



110.8353, 71.7393, 220.9081



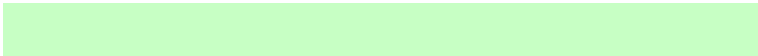
129.9729, 71.7393, 62.7428

Sweetspot

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



38.1802, 71.7423, 15.7073



69.4071, 87.7101, 65.7053



72.3904, 83.4629, 16.1665



14.1543, 18.4371, 12.8921



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.



38.1802, 71.7423, 15.7073



36.4016, 71.8383, 12.5135



41.6926, 73.0748, 37.4750



17.8572, 20.2123, 19.1045



18.8074, 37.4337, 6.2342



1.8600, 3.6596, 0.6083

Inverse Universe

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



56.1607, 29.0763, 95.5847



55.1953, 26.6866, 96.8497



49.0479, 26.6405, 39.6384



18.6958, 18.2504, 22.7873



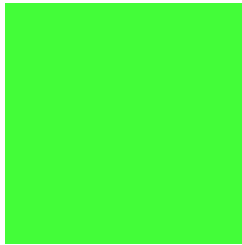
28.6052, 13.6570, 50.5630



2.8122, 1.3436, 4.9244

Previews

White Background



This preview shows how the XYZ color 38.1785, 71.7393, 15.7057 looks on a white background.

Color Contrast Check

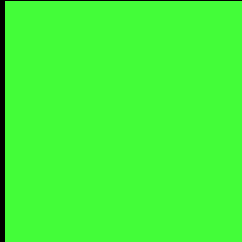
Large Text (above 18pt) WCAG AA × Fail

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 38.1785, 71.7393, 15.7057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

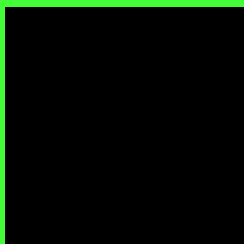
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.1785, 71.7393, 15.7057

Background



This preview shows how black text looks on a background with the XYZ color 38.1785, 71.7393, 15.7057.



This preview shows how white text looks on a background with the XYZ color 38.1785, 71.7393,

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

38.1785, 71.7393, 15.7057

Protanopia

63.5212, 70.2889, 13.0155

Deuteranopia

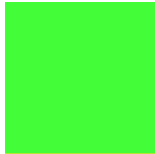
69.7226, 69.9239, 37.0160



Tritanopia

55.9306, 71.2759, 105.4175

Trichromacy



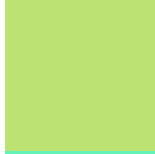
Original Color

38.1785, 71.7393, 15.7057



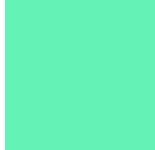
Protanomaly

47.9958, 67.0941, 13.5528



Deuteranomaly

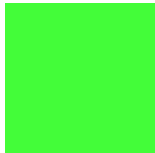
50.7271, 66.1724, 26.0185



Tritanomaly

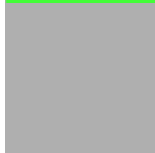
45.6662, 69.6899, 55.8444

Monochromacy



Original Color

38.1785, 71.7393, 15.7057



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

35.6741, 49.6121, 29.5257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1785, 71.7393, 15.7057 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(67, 253, 57)` looks like.

```
.text, #text, p{  
    color:rgb(67, 253, 57)  
}
```

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(67, 253, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 253, 57) }
```

Border

The CSS property to change the border of an element to XYZ 38.1785, 71.7393, 15.7057 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(67, 253, 57) }
```


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

```
.border{ border-color:rgb(67, 253, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 253, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 253, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 253, 57);  
box-shadow:4px 4px 4px 4px rgb(67, 253,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1785, 71.7393, 15.7057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 253, 57) }
```

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

```
.background{ background-color: rgb(67, 253,  
57) }
```

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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