

Converting Colors

XYZ(39.4978, 73.3153, 18.0406)

Have a look what the booklet for
XYZ(39.4978, 73.3153, 18.0406)
contains.

XYZ(39.4959, 73.3145, 18.0307)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.4959, 73.3145,
18.0307)**

Conversions

Conversions Part 1

Format	Color
Hex	47FF47
RGB	71, 255, 71
RGB Percent	28%, 100%, 28%
CMY	0.7216, 0.0000, 0.7215
CMYK	0.72, 0.00, 0.72, 0.00
HSL	120°, 100%, 64%
HSV	120°, 72%, 100%
XYZ	39.4959, 73.3145, 18.0307
YIQ	179.0080, -50.6000, -96.2320

Conversions

Conversions Part 2

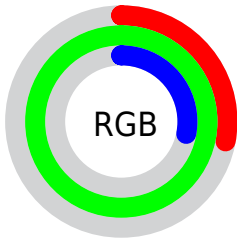
Format	Color
RYB	71, 255, 255
Decimal	4718407
CIELab	88.60, -77.74, 70.51
CIELCh	89, 104.953, 137.790
Yxy	73.3145, 0.3019, 0.5603
Android (android.graphics.Color)	4282908487 (0xFF47FF47)
YUV	179.0080, -53.2479, -94.7230
Hunter-Lab	85.6239, -67.5048, 47.4514

Details

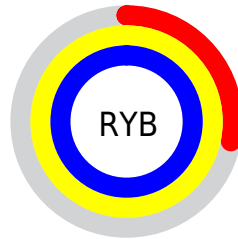
The XYZ color **39.4959, 73.3145, 18.0307** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **61.5425, 32.9863, 97.7266**, and the grayscale version is **43.1468, 45.3938, 49.4338**.

A 20% lighter version of the original color is **51.2240, 79.0343, 33.3242**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **37.3479, 72.2827, 14.5177**, and if you desaturate by 10%, it is **42.7715, 74.8880, 23.3894**.

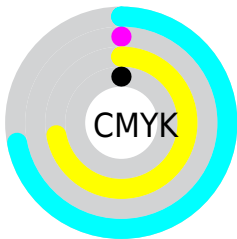
Distribution



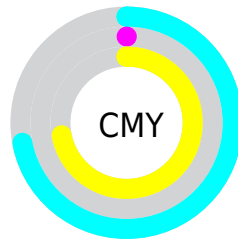
- Red (28%)
- Green (100%)
- Blue (28%)



- Red (28%)
- Yellow (100%)
- Blue (100%)



- Cyan (72%)
- Magenta (0%)
- Yellow (72%)
- Black (0%)





- Cyan (72%)
- Magenta (0%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.4959, 73.3145, 18.0307 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 39.4959, 73.3145, 18.0307 by changing the saturation by 10% instead.


 39.4959, 73.3145,
18.0307


 39.4959, 73.3145,
18.0307


335.1652,
472.1041, 253.2860

 27.3282, 54.2332,
10.8024


 73.6845, 123.9236,
40.9043


 17.9577, 38.7881,
5.8216


 96.4361, 156.2201,
57.3866


 11.0191, 26.5949,
2.6699


 123.4464,
193.6905, 77.7907

 6.1471, 17.2692,
0.9282

 155.0807,
236.7191, 102.5350

 2.9762, 10.4266,
0.0000

 191.7044,
285.6904, 132.0381

 1.1412, 5.6827,
0.0000

233.6828,

 0.0592, 2.6531,

340.9888, 166.7187

0.0000

281.3813,
402.9985, 206.9951

0.0000, 0.9535,
0.0000

0.0000, 0.0000,
0.0000

39.4959, 73.3145,
18.0307

39.4959, 73.3145,
18.0307

37.3479, 72.2827,
14.5177

42.7715, 74.8880,
23.3894


36.1749, 71.7193,
12.5988


47.2994, 77.0630,
30.7958


35.7600, 71.5200,
11.9202


53.1889, 79.8920,
40.4292

60.5371, 83.4217,
52.4485

 69.4323, 87.6945,
66.9981

 79.9558, 92.7495,
84.2110

 92.1832, 98.6229,
104.2108

 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.



55.8471, 73.3145, 7.0752



39.4959, 73.3145, 18.0307



32.1208, 73.3145, 53.8304

Triad

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



39.4959, 73.3145, 18.0307



59.8896, 73.3145, 308.2180



127.0503, 73.3145, 44.3674

Complementary

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



39.4959, 73.3145, 18.0307



61.5425, 32.9863, 97.7266

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.



128.8893, 73.3145, 113.0795



39.4959, 73.3145, 18.0307



85.6344, 73.3145, 299.6551

Square

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



39.4959, 73.3145, 18.0307



41.8351, 73.3145, 233.9502



112.3007, 73.3145, 214.8457



107.7582, 73.3145, 14.7011

Rectangle

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



39.4959, 73.3145, 18.0307



31.7335, 73.3145, 100.2477



112.3007, 73.3145, 214.8457



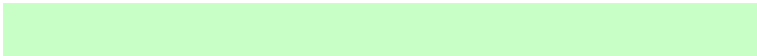
129.8737, 73.3145, 62.3868

Sweetspot

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



39.4962, 73.3147, 18.0319



69.5840, 87.7674, 67.2463



78.1374, 93.2350, 19.8393



14.3424, 18.5209, 13.4914



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.



39.4962, 73.3147, 18.0319



36.6687, 71.9565, 13.4067



44.9696, 75.5040, 46.8543



17.7717, 20.1682, 19.1006



18.6854, 37.3708, 6.2286



1.8193, 3.6387, 0.6065

Inverse Universe

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



61.5425, 32.9863, 97.7266



59.8370, 29.5756, 97.1572



50.1043, 28.4110, 37.4938



18.7927, 18.3004, 22.7917



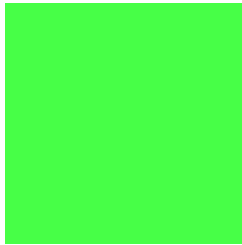
30.9797, 14.8812, 50.6709



3.0164, 1.4489, 4.9337

Previews

White Background



This preview shows how the XYZ color 39.4959, 73.3145, 18.0307 looks on a white background.

Color Contrast Check

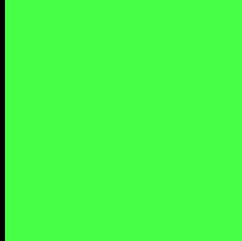
Large Text (above 18pt) WCAG AA × Fail

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 39.4959, 73.3145, 18.0307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

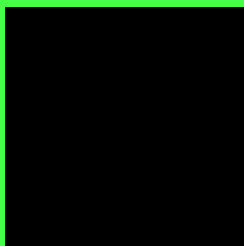
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.4959, 73.3145, 18.0307

Background



This preview shows how black text looks on a background with the XYZ color 39.4959, 73.3145, 18.0307.

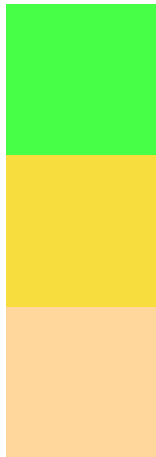


This preview shows how white text looks on a background with the XYZ color 39.4959, 73.3145,

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

39.4959, 73.3145, 18.0307

Protanopia

65.0837, 71.8349, 14.9927

Deuteranopia

71.2030, 71.7197, 41.1008



Tritanopia

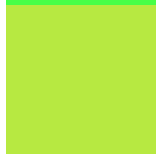
57.8499, 72.6939, 105.5901

Trichromacy



Original Color

39.4959, 73.3145, 18.0307



Protanomaly

49.6215, 68.7268, 15.6513



Deuteranomaly

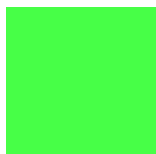
52.3964, 68.1852, 29.4683



Tritanomaly

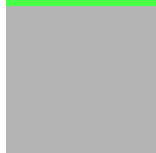
47.8582, 71.6472, 58.8839

Monochromacy



Original Color

39.4959, 73.3145, 18.0307



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

37.8617, 52.0945, 32.8707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4959, 73.3145, 18.0307 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(71, 255, 71)` looks like.

```
.text, #text, p{  
    color:rgb(71, 255, 71)  
}
```

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(71, 255, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 255, 71) }
```

Border

The CSS property to change the border of an element to XYZ 39.4959, 73.3145, 18.0307 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(71, 255, 71) }
```


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

```
.border{ border-color:rgb(71, 255, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 255, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 255, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 255, 71);  
box-shadow:4px 4px 4px 4px rgb(71, 255,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4959, 73.3145, 18.0307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 255, 71) }
```

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

```
.background{ background-color: rgb(71, 255,  
71) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor