

Converting Colors

XYZ(39.5095, 73.3460, 16.9253)

Have a look what the booklet for
XYZ(39.5095, 73.3460, 16.9253)
contains.

XYZ(39.5095, 73.3460, 16.9253)	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(39.5095, 73.3460,
16.9253)**

Conversions

Conversions Part 1

Format	Color
Hex	4AFF40
RGB	74, 255, 64
RGB Percent	29%, 100%, 25%
CMY	0.7098, 0.0000, 0.7490
CMYK	0.71, 0.00, 0.75, 0.00
HSL	117°, 100%, 63%
HSV	117°, 75%, 100%
XYZ	39.5095, 73.3460, 16.9253
YIQ	179.1070, -46.5650, -97.7730

Conversions

Conversions Part 2

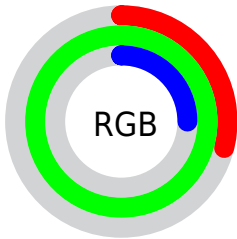
Format	Color
R _{YB}	64, 255, 245
Decimal	4915008
CIE Lab	88.61, -77.76, 72.83
CIE LCh	89, 106.540, 136.875
Yxy	73.3460, 0.3044, 0.5652
Android (android.graphics.Color)	4283105088 (0xFF4AFF40)
YUV	179.1070, -56.7478, -92.1788
Hunter-Lab	85.6423, -67.5263, 48.2322

Details

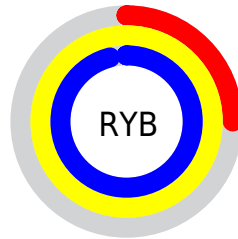
The XYZ color **39.5095, 73.3460, 16.9253** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **57.5422, 30.3012, 97.4237**, and the grayscale version is **43.2164, 45.4670, 49.5135**.

A 20% lighter version of the original color is **51.2522, 79.0862, 31.6327**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **37.4254, 72.3372, 13.8669**, and if you desaturate by 10%, it is **42.6396, 74.8558, 21.7646**.

Distribution



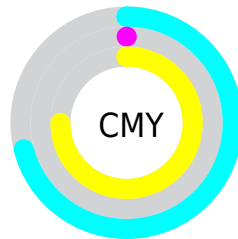
- Red (29%)
- Green (100%)
- Blue (25%)



- Red (25%)
- Yellow (100%)
- Blue (96%)



- Cyan (71%)
- Magenta (0%)
- Yellow (75%)
- Black (0%)



- Cyan (71%)
- Magenta (0%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.5095, 73.3460, 16.9253 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 39.5095, 73.3460, 16.9253 by changing the saturation by 10% instead.


 39.5095, 73.3460,
16.9253


 39.5095, 73.3460,
16.9253


335.2218,
472.2131, 246.7709


 27.3388, 54.2589,
10.0199


 73.7051, 123.9683,
38.9862


 17.9658, 38.8087,
5.3063


 96.4608, 156.2723,
54.9787


 11.0249, 26.6109,
2.3662


 123.4754,
193.7507, 74.8373

 6.1510, 17.2812,
0.7680

 155.1145,
236.7880, 98.9806

 2.9787, 10.4352,
0.0000

 191.7433,
285.7684, 127.8270

 1.1425, 5.6885,
0.0000

233.7273,

 0.0602, 2.6566,

341.0765, 161.7952

0.0000

281.4316,
403.0966, 201.3037

0.0000, 0.9552,
0.0000

0.0000, 0.0000,
0.0000

39.5095, 73.3460,
16.9253

39.5095, 73.3460,
16.9253

37.4254, 72.3372,
13.8669

42.6396, 74.8558,
21.7646

36.2503, 71.7644,
12.3224

46.9282, 76.9199,
28.5956

35.9311, 71.6082,
11.9280

52.4740, 79.5852,
37.6034

59.3651, 82.8937,
48.9512

■ 67.6817, 86.8834,
62.7866

■ 77.4974, 91.5895,
79.2448

■ 88.8812, 97.0447,
98.4516

■ 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.



56.3304, 73.3460, 6.5622



39.5095, 73.3460, 16.9253



31.8138, 73.3460, 51.8431

Triad

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



39.5095, 73.3460, 16.9253



59.0835, 73.3460, 312.1681



128.4970, 73.3460, 45.4223

Complementary

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



39.5095, 73.3460, 16.9253



57.5422, 30.3012, 97.4237

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.



129.7591, 73.3460, 116.5004



39.5095, 73.3460, 16.9253



85.0635, 73.3460, 306.2587

Square

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



39.5095, 73.3460, 16.9253



41.0960, 73.3460, 234.0796



112.3557, 73.3460, 220.9236



109.2421, 73.3460, 14.7028

Rectangle

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



39.5095, 73.3460, 16.9253



31.2624, 73.3460, 98.0272



112.3557, 73.3460, 220.9236



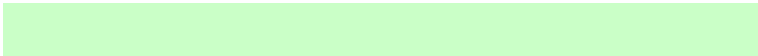
131.1800, 73.3460, 64.0909

Sweetspot

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



39.5098, 73.3461, 16.9265



70.3698, 88.1725, 67.2821



73.9973, 85.2937, 17.4149



14.5230, 18.6141, 13.4996



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.



39.5098, 73.3461, 16.9265



36.7222, 71.9952, 12.9092



43.1233, 74.7096, 39.6572



17.8595, 20.2135, 19.1046



18.8106, 37.4353, 6.2343



1.8611, 3.6602, 0.6084

Inverse Universe

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



57.5422, 30.3012, 97.4237



55.3676, 26.9900, 96.8991



50.5430, 27.9153, 41.8733



18.6932, 18.2491, 22.7871



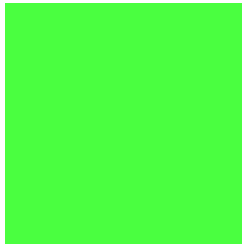
28.5446, 13.6257, 50.5601



2.8069, 1.3409, 4.9242

Previews

White Background



This preview shows how the XYZ color 39.5095, 73.3460, 16.9253 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 39.5095, 73.3460, 16.9253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

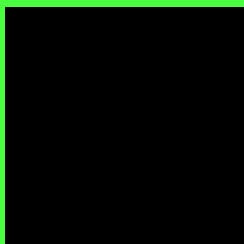
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.5095, 73.3460, 16.9253

Background



This preview shows how black text looks on a background with the XYZ color 39.5095, 73.3460, 16.9253.

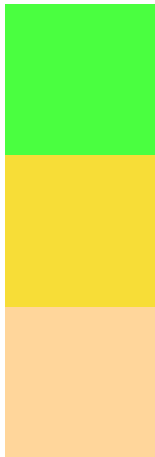


This preview shows how white text looks on a background with the XYZ color 39.5095, 73.3460,

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

39.5095, 73.3460, 16.9253

Protanopia

64.9038, 71.7629, 14.0453

Deuteranopia

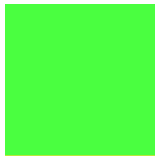
71.2030, 71.7197, 41.1008



Tritanopia

58.0071, 72.7749, 105.5974

Trichromacy



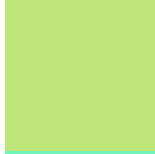
Original Color

39.5095, 73.3460, 16.9253



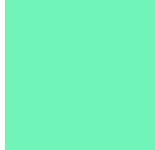
Protanomaly

49.6698, 68.7737, 14.6598



Deuteranomaly

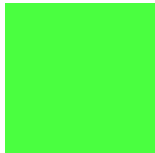
52.5184, 68.2626, 28.8203



Tritanomaly

47.8957, 71.6913, 57.7678

Monochromacy



Original Color

39.5095, 73.3460, 16.9253



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

37.8127, 52.0945, 31.7292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5095, 73.3460, 16.9253 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(74, 255, 64)` looks like.

```
.text, #text, p{  
  color:rgb(74, 255, 64)  
}
```

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(74, 255, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 255, 64) }
```

Border

The CSS property to change the border of an element to XYZ 39.5095, 73.3460, 16.9253 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(74, 255, 64) }
```


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

```
.border{ border-color:rgb(74, 255, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 255, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 255, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 255, 64);  
box-shadow:4px 4px 4px 4px rgb(74, 255,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 39.5095, 73.3460, 16.9253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 255, 64) }
```

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

```
.background{ background-color: rgb(74, 255,  
64) }
```

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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