

# Converting Colors

XYZ(41.9415, 74.1683, 36.5315)

Have a look what the booklet for  
XYZ(41.9415, 74.1683, 36.5315)  
contains.

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# Color

**XYZ(41.9415, 74.1683,  
36.5315)**

# Conversions

## Conversions Part 1

Format	Color
Hex	36FF8B
RGB	54, 255, 139
RGB Percent	21%, 100%, 55%
CMY	0.7882, 0.0000, 0.4549
CMYK	0.79, 0.00, 0.45, 0.00
HSL	145°, 100%, 61%
HSV	145°, 79%, 100%
XYZ	41.9415, 74.1683, 36.5315
YIQ	181.6770, -82.5600, -78.6880

# Conversions

## Conversions Part 2

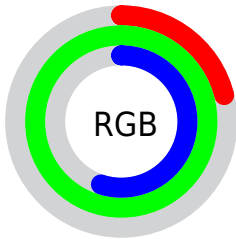
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">54, 195, 255</a>
Decimal	<a href="#">3604363</a>
CIELab	<a href="#">89.00, -71.93, 42.06</a>
CIELCh	<a href="#">89, 83.330, 149.682</a>
Yxy	<a href="#">74.1683, 0.2748, 0.4859</a>
Android (android.graphics.Color)	<a href="#">4281794443 (0xFF36FF8B)</a>
YUV	<a href="#">181.6770, -21.0398, -111.9727</a>
Hunter-Lab	<a href="#">86.1210, -63.7811, 35.1346</a>

# Details

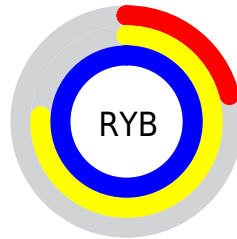
The XYZ color **41.9415, 74.1683, 36.5315** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **49.8152, 26.8011, 40.5783**, and the grayscale version is **44.4311, 46.7450, 50.9053**.

A 20% lighter version of the original color is **55.0133, 80.3206, 63.6429**, and **21.6866, 40.6206, 15.7144** is the 20% darker color. If you saturate the color by 10%, you get **39.9091, 73.2366, 31.1967**, and if you desaturate by 10%, it is **44.8360, 75.5277, 42.6648**.

# Distribution



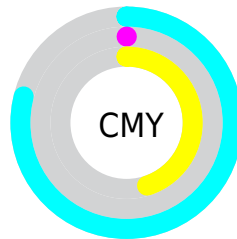
- Red (21%)
- Green (100%)
- Blue (55%)



- Red (21%)
- Yellow (76%)
- Blue (100%)



- Cyan (79%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)




- Cyan (79%)
- Magenta (0%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9415, 74.1683, 36.5315 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 41.9415, 74.1683, 36.5315 by changing the saturation by 10% instead.





 41.9415, 74.1683,  
36.5315

 41.9415, 74.1683,  
36.5315


345.2361,  
475.0540, 346.3851


 29.2464, 54.9318,  
24.5520


 77.3768, 125.1344,  
71.0299


 19.4125, 39.3471,  
15.5276


 100.8477,  
157.6327, 94.3859

 12.0745, 27.0299,  
9.0398


 128.6413,  
195.3204, 122.3711

 6.8670, 17.5957,  
4.6700

 161.1228,  
238.5820, 155.4042

 3.4246, 10.6601,  
1.9996

198.6577,  
287.8017, 193.9036

 1.3821, 5.8388,  
0.5551

241.6113,

 0.2434, 2.7473,

343.3640, 238.2878

0.0000

290.3490,  
405.6533, 288.9755

■ 0.0000, 1.0013,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 41.9415, 74.1683,  
36.5315

■ 41.9415, 74.1683,  
36.5315

■ 39.9091, 73.2366,  
31.1967

■ 44.8360, 75.5277,  
42.6648

■ 38.5888, 72.6558,  
26.6197

■ 48.6948, 77.3669,  
49.6259

■ 38.4581, 72.5992,  
26.1280

■ 53.6066, 79.7310,  
57.4471

■ 59.6490, 82.6595,  
66.1577

■ 66.8921, 86.1879,  
75.7852

■ 75.4001, 90.3487,  
86.3562

■ 85.2323, 95.1722,  
97.8960

■ 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.



52.9177, 74.1683, 17.4529



41.9415, 74.1683, 36.5315



38.2866, 74.1683, 80.1401

# Triad

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



41.9415, 74.1683, 36.5315



70.2791, 74.1683, 251.4712



110.0226, 74.1683, 37.1660

# Complementary

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



41.9415, 74.1683, 36.5315



49.8152, 26.8011, 40.5783

# 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.



117.0404, 74.1683, 81.3764



41.9415, 74.1683, 36.5315



91.5877, 74.1683, 221.5447

# Square

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



41.9415, 74.1683, 36.5315



52.6095, 74.1683, 220.3355



109.7324, 74.1683, 151.1406



92.0335, 74.1683, 17.6765



# Rectangle

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



41.9415, 74.1683, 36.5315



39.8207, 74.1683, 124.4388



109.7324, 74.1683, 151.1406



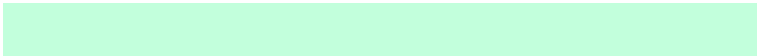
113.8803, 74.1683, 48.7198

# Sweetspot

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



41.9420, 74.1686, 36.5327



70.8329, 88.1133, 80.7630



53.2754, 80.4726, 16.2154



14.5317, 18.5523, 16.4947



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.



41.9420, 74.1686, 36.5327



39.0281, 72.8460, 28.2822



52.7510, 78.4922, 93.4521



18.0903, 20.2956, 20.7785



20.1660, 37.9630, 14.0253



2.0167, 3.7176, 1.6457



# Inverse Universe

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



49.8152, 26.8011, 40.5783



47.0938, 23.8267, 32.0616



43.6888, 24.3505, 8.3174



18.4489, 18.1629, 20.9809



24.3836, 12.2427, 15.9363

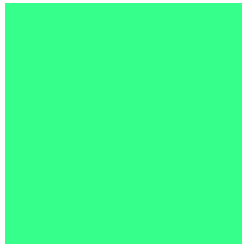


2.4288, 1.2139, 1.8394



# Previews

## White Background



This preview shows how the XYZ color 41.9415, 74.1683, 36.5315 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 41.9415, 74.1683, 36.5315 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

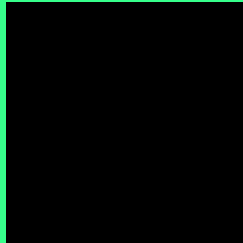
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 41.9415, 74.1683, 36.5315**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.9415, 74.1683, 36.5315.



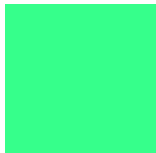
This preview shows how white text looks on a background with the XYZ color 41.9415, 74.1683,



# Color Blindness Simulation

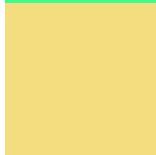
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

41.9415, 74.1683, 36.5315



### Protanopia

66.6494, 72.2999, 30.5212



### Deuteranopia

72.6373, 72.2934, 48.6537



## **Tritanopia**

58.2974, 73.3556, 105.6942

# Trichromacy



## Original Color

41.9415, 74.1683, 36.5315



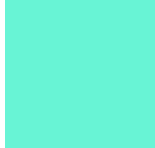
## Protanomaly

50.6912, 68.9152, 32.1030



## Deuteranomaly

53.5687, 68.4869, 43.1968



## Tritanomaly

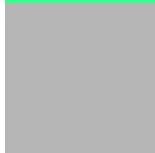
50.0698, 72.4485, 74.2958

# Monochromacy



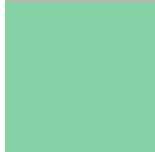
## Original Color

41.9415, 74.1683, 36.5315



## Achromatopsia

44.4628, 46.7784, 50.9417



## Achromatomaly

39.6751, 53.5050, 44.3128

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.9415, 74.1683, 36.5315 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(54, 255, 139)` looks like.

```
.text, #text, p{  
    color:rgb(54, 255, 139)  
}
```

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(54, 255, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 255, 139) }
```

## Border

The CSS property to change the border of an element to XYZ 41.9415, 74.1683, 36.5315 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(54, 255, 139) }
```



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

```
.border{ border-color:rgb(54, 255, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 255, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 255, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 255, 139);  
box-shadow:4px 4px 4px 4px rgb(54, 255,  
139) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.9415, 74.1683, 36.5315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 255, 139) }
```

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

```
.background{ background-color: rgb(54, 255,  
139) }
```

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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