

# Converting Colors

XYZ(41.2547, 68.8112, 46.5239)

Have a look what the booklet for  
XYZ(41.2547, 68.8112, 46.5239)  
contains.

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# Color

**XYZ(41.3684, 69.0135,  
46.7379)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3DF5A5
RGB	61, 245, 165
RGB Percent	24%, 96%, 65%
CMY	0.7608, 0.0392, 0.3529
CMYK	0.75, 0.00, 0.33, 0.04
HSL	154°, 90%, 60%
HSV	154°, 75%, 96%
XYZ	41.3684, 69.0135, 46.7379
YIQ	180.8640, -83.9840, -63.8880

# Conversions

## Conversions Part 2

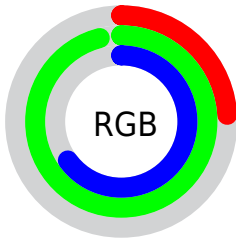
Format	Color
<a href="#">RYB</a>	<a href="#">61, 179, 245</a>
Decimal	<a href="#">4060581</a>
CIELab	<a href="#">86.51, -62.94, 25.87</a>
CIELCh	<a href="#">87, 68.048, 157.652</a>
Yxy	<a href="#">69.0135, 0.2633, 0.4392</a>
Android (android.graphics.Color)	<a href="#">4282250661 (0xFF3DF5A5)</a>
YUV	<a href="#">180.8640, -7.8210, -105.1207</a>
Hunter-Lab	<a href="#">83.0744, -56.4928, 24.7953</a>

# Details

The XYZ color **41.3684, 69.0135, 46.7379** is a light color, and the websafe version is hex **66FF99**. The color can be described as light washed spring green. A complement of this color would be **44.1349, 24.6746, 27.6387**, and the grayscale version is **43.9228, 46.2102, 50.3229**.

A 20% lighter version of the original color is **58.5098, 81.7556, 80.4068**, and **20.7510, 36.7329, 21.6193** is the 20% darker color. If you saturate the color by 10%, you get **39.2609, 68.0363, 41.7878**, and if you desaturate by 10%, it is **44.2484, 70.3833, 52.1488**.

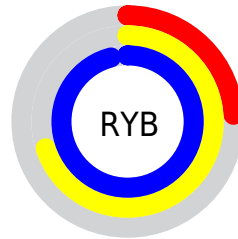
# Distribution



Red (24%)

Green (96%)

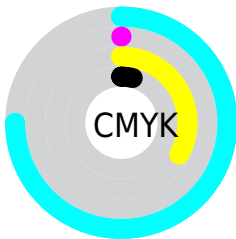
Blue (65%)



Red (24%)

Yellow (70%)

Blue (96%)

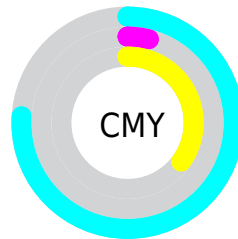


Cyan (75%)

Magenta (0%)

Yellow (33%)

Black (4%)



Cyan (76%)

Magenta (4%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3684, 69.0135, 46.7379 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 41.3684, 69.0135, 46.7379 by changing the saturation by 10% instead.





 41.3684, 69.0135,  
46.7379


 41.3684, 69.0135,  
46.7379


342.8943,  
457.0786, 390.1308


 28.7960, 50.7227,  
32.4756


 76.5140, 117.8009,  
86.6681


 19.0701, 35.9880,  
21.4572


 99.8179, 149.0662,  
113.1732

 11.8252, 24.4249,  
13.2641


 127.4297,  
185.4252, 144.5963

 6.6961, 15.6491,  
7.4778

 159.7147,  
227.2622, 181.3559

 3.3174, 9.2762,  
3.6797

197.0384,  
274.9617, 223.8706

 1.3238, 4.9218,  
1.4513

239.7659,

 0.2009, 2.2014,

328.9080, 272.5590

0.1813

288.2628,  
389.4855, 327.8395

■ 0.0000, 0.7208,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 41.3684, 69.0135,  
46.7379

■ 41.3684, 69.0135,  
46.7379

■ 39.2609, 68.0363,  
41.7878

■ 44.2484, 70.3833,  
52.1488


■ 37.8162, 67.3898,  
37.2787


■ 47.9805, 72.1810,  
58.0296


■ 37.2757, 67.1561,  
35.2242


■ 52.6397, 74.4468,  
64.3948

■ 58.2908, 77.2140,  
71.2568

 64.9928, 80.5128,  
78.6272

 72.7998, 84.3709,  
86.5173

 81.7622, 88.8141,  
94.9379

 91.1841, 93.4834,  
103.8647

 91.9436, 93.7873,  
107.8645

# Harmonies

## Analogous

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



48.7693, 69.0135, 25.2448



41.3684, 69.0135, 46.7379



39.9104, 69.0135, 87.3042

# Triad

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



41.3684, 69.0135, 46.7379



69.7141, 69.0135, 198.1645



92.6341, 69.0135, 33.6165

# Complementary

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



41.3684, 69.0135, 46.7379



44.1349, 24.6746, 27.6387

# 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.



100.4491, 69.0135, 64.1689



41.3684, 69.0135, 46.7379



85.9045, 69.0135, 166.9372

# Square

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



41.3684, 69.0135, 46.7379



54.7337, 69.0135, 187.3980



97.8072, 69.0135, 113.2124



77.8064, 69.0135, 20.0613



# Rectangle

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



41.3684, 69.0135, 46.7379



42.2463, 69.0135, 123.0519



97.8072, 69.0135, 113.2124



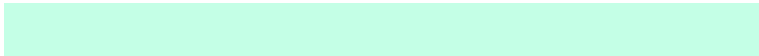
96.2682, 69.0135, 41.6315

# Sweetspot

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



41.3702, 69.0163, 46.7395



72.8288, 88.9878, 87.8326



44.9637, 71.5560, 15.8576



14.9712, 18.7426, 18.1514



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.



41.3702, 69.0163, 46.7395



42.1078, 74.1069, 43.1896



48.3460, 67.4633, 96.8631



16.6746, 18.6290, 19.5706



20.1513, 36.2054, 19.3483



1.8226, 3.2027, 1.9719



# Inverse Universe

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



44.1349, 24.6746, 27.6387



45.3184, 23.4648, 21.6384



40.7031, 24.1563, 6.9330



16.7983, 16.6022, 18.6846



21.7690, 11.0510, 8.7579

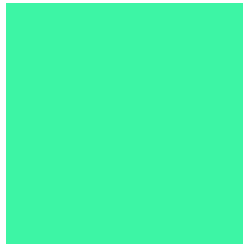


1.9639, 0.9915, 1.0362



# Previews

## White Background



This preview shows how the XYZ color 41.3684, 69.0135, 46.7379 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 41.3684, 69.0135, 46.7379 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

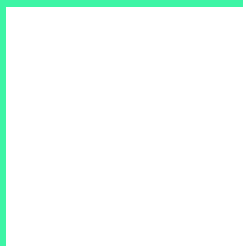
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 41.3684, 69.0135, 46.7379**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.3684, 69.0135, 46.7379.



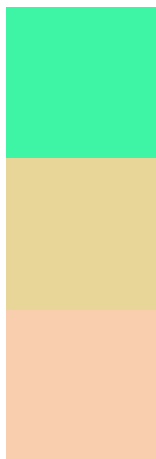
This preview shows how white text looks on a background with the XYZ color 41.3684, 69.0135,



# 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

41.3684, 69.0135, 46.7379

### Protanopia

62.6691, 67.3491, 39.4024

### Deuteranopia

68.7782, 67.3383, 49.4170



## Tritanopia

52.5193, 68.7042, 103.4217

# Trichromacy



## Original Color

41.3684, 69.0135, 46.7379



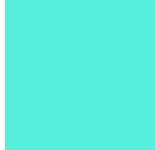
## Protanomaly

49.3732, 64.7198, 41.7882



## Deuteranomaly

51.9999, 63.9504, 48.1311



## Tritanomaly

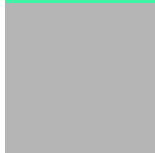
47.4634, 68.3480, 79.0975

# Monochromacy



## Original Color

41.3684, 69.0135, 46.7379



## Achromatopsia

43.9204, 46.2077, 50.3202



## Achromatomaly

39.6473, 51.5992, 48.4275

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.3684, 69.0135, 46.7379 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(61, 245, 165)` looks like.

```
.text, #text, p{  
    color:rgb(61, 245, 165)  
}
```

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(61, 245, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 245, 165) }
```

## Border

The CSS property to change the border of an element to XYZ 41.3684, 69.0135, 46.7379 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(61, 245, 165) }
```



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

```
.border{ border-color:rgb(61, 245, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 245, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 245, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 245, 165);  
box-shadow:4px 4px 4px 4px rgb(61, 245,  
165) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.3684, 69.0135, 46.7379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 245, 165) }
```

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

```
.background{ background-color: rgb(61, 245,  
165) }
```

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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