

# Converting Colors

XYZ(41.3777, 74.1208, 25.5225)

Have a look what the booklet for  
XYZ(41.3777, 74.1208, 25.5225)  
contains.

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# Color

**XYZ(41.3704, 74.1177,  
25.4903)**

# Conversions

Conversions Part 1	
Format	Color
Hex	4DFF69
RGB	77, 255, 105
RGB Percent	30%, 100%, 41%
CMY	0.6980, 0.0000, 0.5882
CMYK	0.70, 0.00, 0.59, 0.00
HSL	129°, 100%, 65%
HSV	129°, 70%, 100%
XYZ	41.3704, 74.1177, 25.4903
YIQ	184.6780, -57.9380, -84.3860

# Conversions

## Conversions Part 2

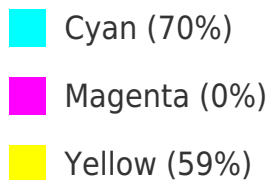
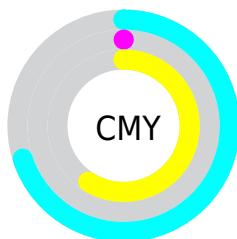
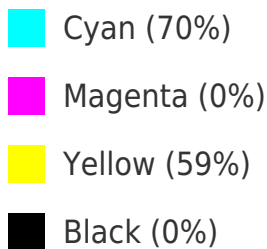
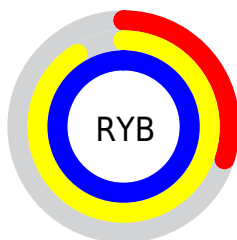
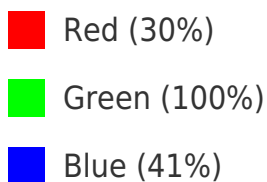
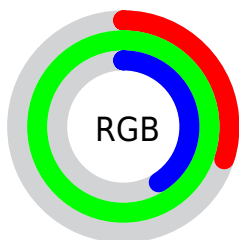
Format	Color
<a href="#">RYB</a>	<a href="#">77, 231, 255</a>
Decimal	<a href="#">5111657</a>
CIELab	<a href="#">88.98, -73.57, 57.73</a>
CIELCh	<a href="#">89, 93.515, 141.876</a>
Yxy	<a href="#">74.1177, 0.2935, 0.5257</a>
Android (android.graphics.Color)	<a href="#">4283301737</a> (0xFF4DFF69)
YUV	<a href="#">184.6780, -39.2813, -94.4336</a>
Hunter-Lab	<a href="#">86.0916, -64.8841, 42.7094</a>

# Details

The XYZ color **41.3704, 74.1177, 25.4903** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **57.7588, 32.1139, 75.8256**, and the grayscale version is **46.1697, 48.5741, 52.8972**.

A 20% lighter version of the original color is **54.1378, 80.2611, 45.8963**, and **20.5206, 40.1543, 9.5747** is the 20% darker color. If you saturate the color by 10%, you get **38.7320, 72.8694, 20.3123**, and if you desaturate by 10%, it is **45.0943, 75.8933, 32.1779**.

# Distribution





# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3704, 74.1177, 25.4903 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 41.3704, 74.1177, 25.4903 by changing the saturation by 10% instead.





 41.3704, 74.1177,  
25.4903


 41.3704, 74.1177,  
25.4903


342.9025,  
474.8795, 293.7964

 28.7976, 54.8904,  
16.2204


 76.5170, 125.0626,  
53.4255


 19.0712, 39.3140,  
9.5242


 99.8215, 157.5491,  
72.9278

 11.8261, 27.0041,  
4.9832


 127.4339,  
195.2239, 96.6780

 6.6967, 17.5763,  
2.1788

 159.7197,  
238.4717, 125.0947

 3.3178, 10.6462,  
0.6621

197.0440,  
287.6768, 158.5963

 1.3240, 5.8295,  
0.0000


239.7724,


 0.2010, 2.7417,


343.2235, 197.6014


0.0000


288.2701,  
405.4963, 242.5286


 0.0000, 0.9984,  
0.0000


 0.0000, 0.0000,  
0.0000


 41.3704, 74.1177,  
25.4903


 41.3704, 74.1177,  
25.4903


 38.7320, 72.8694,  
20.3123

 45.0943, 75.8933,  
32.1779


 37.0563, 72.0877,  
16.5227


 50.0062, 78.2469,  
40.4767


 36.1585, 71.6801,  
13.9858

 56.1974, 81.2235,  
50.4834

 36.1450, 71.6740,  
13.9473

 63.7502, 84.8637,  
62.2862

 72.7397, 89.2044,  
75.9673

 83.2356, 94.2801,  
91.6035

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.



55.3936, 74.1177, 11.3824



41.3704, 74.1177, 25.4903



35.4510, 74.1177, 64.2840

# Triad

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



41.3704, 74.1177, 25.4903



64.4529, 74.1177, 278.6712



119.2490, 74.1177, 42.4906

# Complementary

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



41.3704, 74.1177, 25.4903



57.7588, 32.1139, 75.8256

# 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.



123.1351, 74.1177, 99.7005



41.3704, 74.1177, 25.4903



88.0060, 74.1177, 261.3337

# Square

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



41.3704, 74.1177, 25.4903



46.7760, 74.1177, 224.5204



110.6953, 74.1177, 185.1782



100.9981, 74.1177, 16.8753



# Rectangle

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



41.3704, 74.1177, 25.4903



35.7661, 74.1177, 109.2781



110.6953, 74.1177, 185.1782



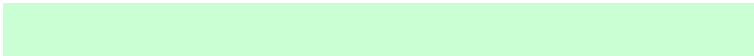
122.4159, 74.1177, 57.5993

# Sweetspot

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



41.3707, 74.1179, 25.4915



71.5858, 88.6469, 74.2284



69.1899, 88.5990, 20.4762



14.7700, 18.7073, 15.0519



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.



41.3707, 74.1179, 25.4915



37.9194, 72.4885, 18.5599



48.4130, 76.9348, 62.5754



17.8881, 20.2148, 19.7135



18.9208, 37.4649, 7.4684



1.8743, 3.6606, 0.8958



# Inverse Universe

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



57.7588, 32.1139, 75.8256



55.1175, 28.0687, 71.1308



48.5763, 28.4409, 27.4710



18.6626, 18.2484, 22.1066



27.9962, 13.6878, 34.9600

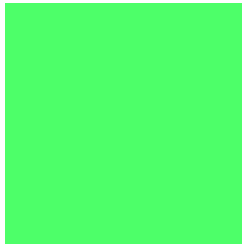


2.7574, 1.3454, 3.5701



# Previews

## White Background



This preview shows how the XYZ color 41.3704, 74.1177, 25.4903 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

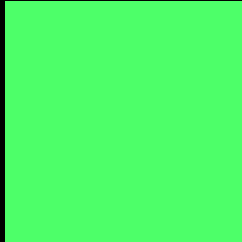
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.3704, 74.1177, 25.4903 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

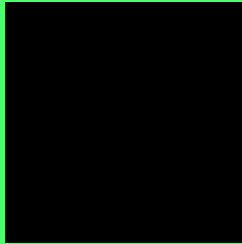
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 41.3704, 74.1177, 25.4903**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.3704, 74.1177, 25.4903.



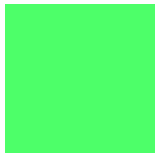
This preview shows how white text looks on a background with the XYZ color 41.3704, 74.1177,



# Color Blindness Simulation

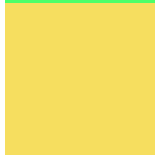
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

41.3704, 74.1177, 25.4903



### Protanopia

66.1929, 72.6616, 21.3628



### Deuteranopia

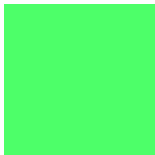
72.1513, 72.5052, 44.8425



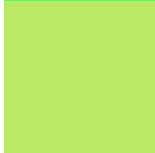
## Tritanopia

58.8154, 73.1916, 105.6352

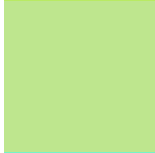
# Trichromacy



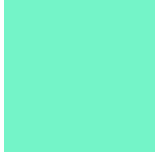
**Original Color**  
41.3704, 74.1177, 25.4903



**Protanomaly**  
51.6825, 70.0608, 22.6035

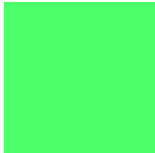


**Deuteranomaly**  
54.4145, 69.4938, 36.1369



**Tritanomaly**  
49.9785, 72.5845, 66.0197

# Monochromacy



**Original Color**  
41.3704, 74.1177, 25.4903



**Achromatopsia**  
46.1135, 48.5150, 52.8328



**Achromatomaly**  
40.9014, 54.6045, 39.8365

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.3704, 74.1177, 25.4903 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(77, 255, 105)` looks like.

```
.text, #text, p{  
    color:rgb(77, 255, 105)  
}
```

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(77, 255, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 255, 105) }
```

## Border

The CSS property to change the border of an element to XYZ 41.3704, 74.1177, 25.4903 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(77, 255, 105) }
```



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

```
.border{ border-color:rgb(77, 255, 105) }
```

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

Here you see how a box with a 4 pixel rgb(77, 255, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 255, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 255, 105);  
box-shadow:4px 4px 4px 4px rgb(77, 255,  
105) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.3704, 74.1177, 25.4903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 255, 105) }
```

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

```
.background{ background-color: rgb(77, 255,  
105) }
```

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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