

# Converting Colors

XYZ(41.8164, 74.6013, 14.0507)

Have a look what the booklet for  
XYZ(41.8164, 74.6013, 14.0507)  
contains.

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# Color

**XYZ(41.8188, 74.6030,  
14.0295)**

# Conversions

## Conversions Part 1

Format	Color
Hex	68FF26
RGB	104, 255, 38
RGB Percent	41%, 100%, 15%
CMY	0.5922, 0.0000, 0.8509
CMYK	0.59, 0.00, 0.85, 0.00
HSL	102°, 100%, 57%
HSV	102°, 85%, 100%
XYZ	41.8188, 74.6030, 14.0295
YIQ	185.1130, -20.3390, -99.4990

# Conversions

## Conversions Part 2

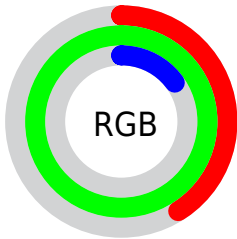
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">38, 255, 189</a>
Decimal	<a href="#">6881062</a>
CIELab	<a href="#">89.21, -73.19, 80.37</a>
CIELCh	<a href="#">89, 108.704, 132.320</a>
Yxy	<a href="#">74.6030, 0.3206, 0.5719</a>
Android (android.graphics.Color)	<a href="#">4285071142 (0xFF68FF26)</a>
YUV	<a href="#">185.1130, -72.5267, -71.1361</a>
Hunter-Lab	<a href="#">86.3730, -64.7293, 50.8307</a>

# Details

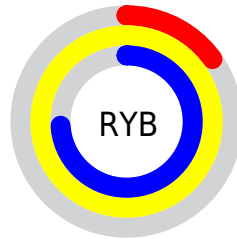
The XYZ color **41.8188, 74.6030, 14.0295** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **39.7333, 19.4277, 96.2635**, and the grayscale version is **46.5772, 49.0029, 53.3641**.

A 20% lighter version of the original color is **54.9391, 81.1067, 26.3952**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **39.6908, 73.5384, 12.4669**, and if you desaturate by 10%, it is **44.6617, 76.0037, 17.0945**.

# Distribution



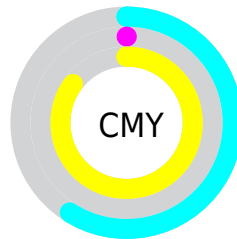
- Red (41%)
- Green (100%)
- Blue (15%)



- Red (15%)
- Yellow (100%)
- Blue (74%)



- Cyan (59%)
- Magenta (0%)
- Yellow (85%)
- Black (0%)




- Cyan (59%)
- Magenta (0%)
- Yellow (85%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8188, 74.6030, 14.0295 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 41.8188, 74.6030, 14.0295 by changing the saturation by 10% instead.





 41.8188, 74.6030,  
14.0295

 41.8188, 74.6030,  
14.0295


344.7357,  
476.5519, 228.8491

 29.1499, 55.2877,  
8.0022


 77.1922, 125.7502,  
33.8592


 19.3391, 39.6321,  
4.0086


 100.6274,  
158.3510, 48.4988


 12.0210, 27.2518,  
1.6300


 128.3822,  
196.1490, 66.8461

 6.8303, 17.7624,  
0.3121

 160.8217,  
239.5287, 89.3198

 3.4016, 10.7796,  
0.0000

 198.3115,  
288.8744, 116.3384

 1.3695, 5.9188,  
0.0000

241.2169,

 0.2343, 2.7958,

344.5706, 148.3205

0.0000

289.9031,  
407.0016, 185.6845

■ 0.0000, 1.0261,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 41.8188, 74.6030,  
14.0295

■ 41.8188, 74.6030,  
14.0295

■ 39.6908, 73.5384,  
12.4669


■ 44.6617, 76.0037,  
17.0945


■ 38.8648, 73.1206,  
12.0653


■ 48.2934, 77.7728,  
21.9206


■ 52.7773, 79.9385,  
28.7214

■ 58.1697, 82.5257,  
37.6795

 64.5212, 85.5570,  
48.9566

 71.8785, 89.0533,  
62.6988

 80.2852, 93.0341,  
79.0405

 89.7822, 97.5178,  
98.1061

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.



60.5743, 74.6030, 5.7857



41.8188, 74.6030, 14.0295



32.5753, 74.6030, 44.4610

# Triad

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



41.8188, 74.6030, 14.0295



56.5218, 74.6030, 314.9376



133.3037, 74.6030, 53.8835

# Complementary

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



41.8188, 74.6030, 14.0295



39.7333, 19.4277, 96.2635

# 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.



131.4328, 74.6030, 134.1425



41.8188, 74.6030, 14.0295



82.3546, 74.6030, 323.7406

# Square

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



41.8188, 74.6030, 14.0295



39.4923, 74.6030, 224.5615



111.0788, 74.6030, 244.1226



115.6887, 74.6030, 17.2421



# Rectangle

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



41.8188, 74.6030, 14.0295



31.1865, 74.6030, 87.2873



111.0788, 74.6030, 244.1226



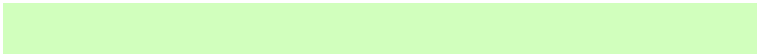
135.0363, 74.6030, 75.4596

# Sweetspot

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



41.8190, 74.6031, 14.0306



71.1682, 88.7163, 61.3465



59.2097, 56.6392, 9.6467



14.6695, 18.7214, 12.0675



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.



41.8190, 74.6031, 14.0306



38.8648, 73.1206, 12.0653



37.9276, 72.4795, 19.1601



18.2909, 20.4359, 19.1248



20.4396, 38.2751, 6.3106



2.0955, 3.7810, 0.6194



# Inverse Universe

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



39.7333, 19.4277, 96.2635



36.2850, 16.6205, 95.9034



54.2275, 27.5647, 66.9002



18.2235, 18.0069, 22.7652



19.1186, 8.7665, 50.1190

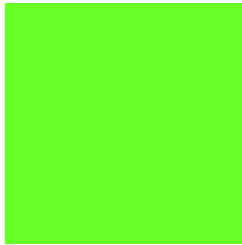


1.9727, 0.9109, 4.8851



# Previews

## White Background



This preview shows how the XYZ color 41.8188, 74.6030, 14.0295 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

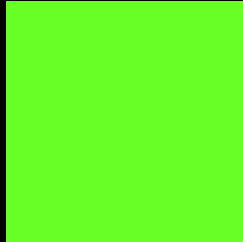
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.8188, 74.6030, 14.0295 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

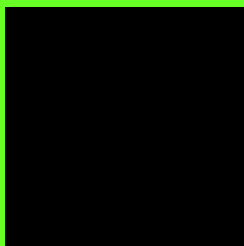
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

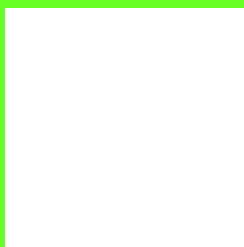
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 41.8188, 74.6030, 14.0295**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.8188, 74.6030, 14.0295.



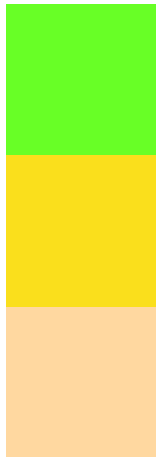
This preview shows how white text looks on a background with the XYZ color 41.8188, 74.6030,



# 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

41.8188, 74.6030, 14.0295

### Protanopia

66.0216, 73.1832, 11.7447

### Deuteranopia

72.1410, 72.9098, 43.5285



## Tritanopia

60.7286, 74.1779, 105.7248

# Trichromacy



## Original Color

41.8188, 74.6030, 14.0295



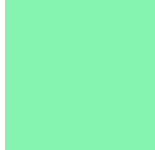
## Protanomaly

52.9950, 71.3913, 12.3533



## Deuteranomaly

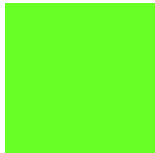
55.2686, 70.1339, 27.1472



## Tritanomaly

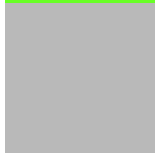
49.8600, 72.8225, 52.5025

# Monochromacy



## Original Color

41.8188, 74.6030, 14.0295



## Achromatopsia

46.1135, 48.5150, 52.8328



## Achromatomaly

40.9218, 54.8270, 30.2557

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.8188, 74.6030, 14.0295 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(104, 255, 38)` looks like.

```
.text, #text, p{  
    color:rgb(104, 255, 38)  
}
```

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(104, 255, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 255, 38) }
```

## Border

The CSS property to change the border of an element to XYZ 41.8188, 74.6030, 14.0295 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(104, 255, 38) }
```



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

```
.border{ border-color:rgb(104, 255, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 255, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 255, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 255, 38);  
box-shadow:4px 4px 4px 4px rgb(104, 255,  
38) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.8188, 74.6030, 14.0295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 255, 38) }
```

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

```
.background{ background-color: rgb(104,  
255, 38) }
```

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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