

# Converting Colors

XYZ(79.2390, 100.0000,  
48.5317)

Have a look what the booklet for  
XYZ(79.2390, 100.0000, 48.5317)  
contains.

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# Color

**XYZ(74.7383, 90.8811,  
46.8604)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6FFA0
RGB	230, 255, 160
RGB Percent	90%, 100%, 63%
CMY	0.0980, 0.0000, 0.3725
CMYK	0.10, 0.00, 0.37, 0.00
HSL	76°, 100%, 81%
HSV	76°, 37%, 100%
XYZ	74.7383, 90.8811, 46.8604
YIQ	236.6950, 15.5950, -34.8450

# Conversions

## Conversions Part 2

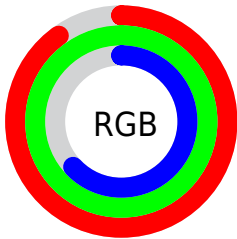
<b>Format</b>	<b>Color</b>
<b>RYB</b>	160, 255, 185
Decimal	15138720
CIELab	96.36, -22.82, 42.73
CIELCh	96, 48.435, 118.102
Yxy	90.8811, 0.3517, 0.4277
Android (android.graphics.Color)	4293328800 (0xFFE6FFA0)
YUV	236.6950, -37.8106, -5.8715
Hunter-Lab	95.3316, -26.8894, 37.5880

# Details

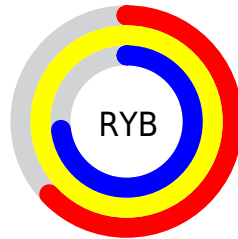
The XYZ color **74.7383, 90.8811, 46.8604** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **50.6295, 42.6772, 100.1768**, and the grayscale version is **80.5341, 84.7281, 92.2689**.

A 20% lighter version of the original color is **89.3947, 97.7379, 79.1194**, and **40.0815, 50.3339, 21.5128** is the 20% darker color. If you saturate the color by 10%, you get **70.6189, 88.9893, 36.1932**, and if you desaturate by 10%, it is **79.3987, 92.9988, 59.9435**.

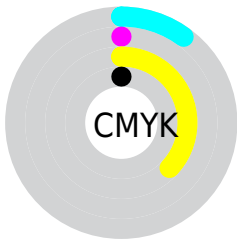
# Distribution



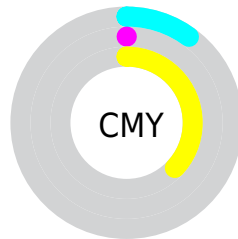
- Red (90%)
- Green (100%)
- Blue (63%)



- Red (63%)
- Yellow (100%)
- Blue (73%)



- Cyan (10%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)




- Cyan (10%)
- Magenta (0%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.7383, 90.8811, 46.8604 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 74.7383, 90.8811, 46.8604 by changing the saturation by 10% instead.





 74.7383, 90.8811,  
46.8604


 74.7383, 90.8811,  
46.8604


466.0286,  
530.8929, 390.6346

 55.6919, 68.7117,  
32.5718


 124.9317,  
148.5617, 86.8530

 40.1920, 50.4769,  
21.5302


 156.8095,  
184.8416, 113.3940

 27.8732, 35.7925,  
13.3171


193.6952,  
226.5938, 144.8563

 18.3700, 24.2740,  
7.5140

235.9540,  
274.2027, 181.6583

 11.3173, 15.5370,  
3.7023

283.9514,  
328.0526, 224.2186

 6.3495, 9.1971,  
1.4635

338.0528,

 3.1014, 4.8700,

388.5281, 272.9557

0.1905

398.6234,  
456.0133, 328.2882

■ 1.2076, 2.1712,  
0.0000

■ 0.1124, 0.7042,  
0.0000

■ 74.7383, 90.8811,  
46.8604

■ 74.7383, 90.8811,  
46.8604

■ 70.6189, 88.9893,  
36.1932

■ 79.3987, 92.9988,  
59.9435

■ 67.0107, 87.3114,  
27.7897

■ 84.6260, 95.3531,  
75.5746

■ 63.8816, 85.8346,  
21.4866

■ 90.4452, 97.9538,  
93.8804

■ 61.1953, 84.5441,  
17.0967

95.0500, 100.0000,  
108.9000

■ 58.9089, 83.4228,  
14.4000

■ 56.9677, 82.4485,  
13.1127

■ 56.4727, 82.1978,  
12.8893

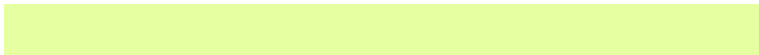
# Harmonies

## Analogous

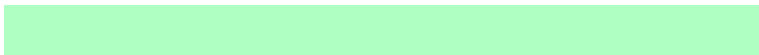
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2410, 90.8811, 41.7658



74.7383, 90.8811, 46.8604



66.1926, 90.8811, 64.6879

# Triad

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



74.7383, 90.8811, 46.8604



73.3964, 90.8811, 176.2891



114.9568, 90.8811, 101.4329

# Complementary

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



74.7383, 90.8811, 46.8604



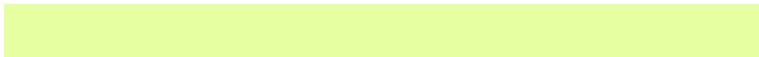
50.6295, 42.6772, 100.1768

# 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.



110.3032, 90.8811, 143.5830



74.7383, 90.8811, 46.8604



85.5242, 90.8811, 193.2153

# Square

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



74.7383, 90.8811, 46.8604



65.4764, 90.8811, 138.1945



99.1714, 90.8811, 179.9267

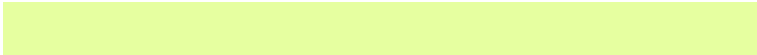


111.3166, 90.8811, 67.9485

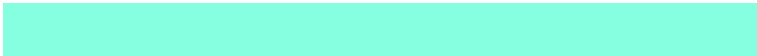


# Rectangle

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



74.7383, 90.8811, 46.8604



63.4212, 90.8811, 84.4269



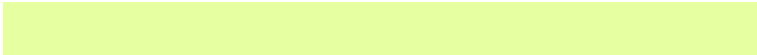
99.1714, 90.8811, 179.9267



114.3016, 90.8811, 115.0588

# Sweetspot

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



74.7386, 90.8812, 46.8617



88.1944, 96.9500, 86.7018



64.6744, 57.9762, 41.0408



18.7074, 20.6754, 18.0221



0.0000, 0.0000, 0.0000

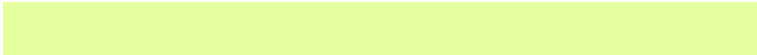


20.3446, 21.4041, 23.3091



# Same Dimension

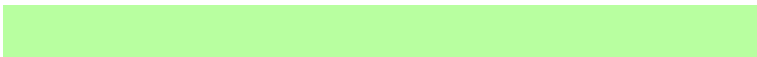
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.7386, 90.8812, 46.8617



71.5017, 89.3966, 38.3944



61.8132, 84.2179, 46.2568



19.0674, 20.8362, 19.1612



29.6563, 43.0264, 6.7419



2.9904, 4.2424, 0.6612



# Inverse Universe

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



50.6295, 42.6772, 100.1768



44.1393, 34.6454, 98.9686



63.6573, 49.3933, 100.7865



17.4512, 17.6088, 22.7290



10.7632, 4.4591, 49.7280

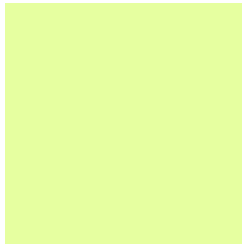


1.1455, 0.4844, 4.8464



# Previews

## White Background



This preview shows how the XYZ color 74.7383, 90.8811, 46.8604 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

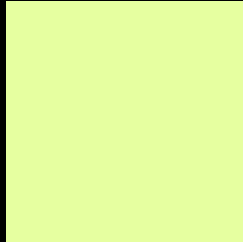
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.7383, 90.8811, 46.8604 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

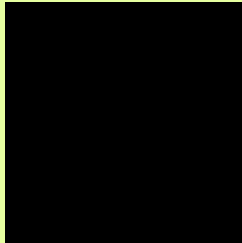
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

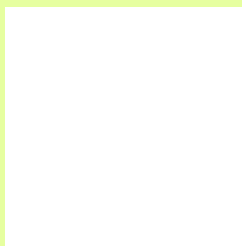
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.7383, 90.8811, 46.8604**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.7383, 90.8811, 46.8604.



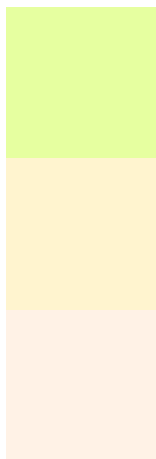
This preview shows how white text looks on a background with the XYZ color 74.7383, 90.8811,



# 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

74.7383, 90.8811, 46.8604

### Protanopia

84.8532, 90.4664, 72.0210

### Deuteranopia

87.2751, 90.4774, 87.7269

## Tritanopia

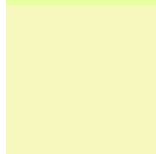
87.4088, 90.5543, 107.4795

# Trichromacy



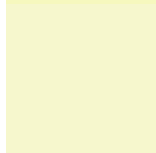
## Original Color

74.7383, 90.8811, 46.8604



## Protanomaly

80.8677, 90.4453, 61.9107



## Deuteranomaly

82.2862, 90.5221, 70.8932



## Tritanomaly

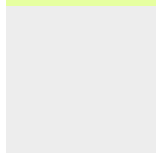
81.7756, 90.0396, 80.7795

# Monochromacy



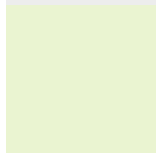
## Original Color

74.7383, 90.8811, 46.8604



## Achromatopsia

80.4953, 84.6873, 92.2245



## Achromatomaly

77.7910, 86.7972, 72.9751

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.7383, 90.8811, 46.8604 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(230, 255, 160)` looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 160)  
}
```

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(230, 255, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 160) }
```

## Border

The CSS property to change the border of an element to XYZ 74.7383, 90.8811, 46.8604 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(230, 255, 160) }
```



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

```
.border{ border-color:rgb(230, 255, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 255, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 160);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
160) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.7383, 90.8811, 46.8604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 255, 160) }
```

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

```
.background{ background-color: rgb(230,  
255, 160) }
```

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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