

# Converting Colors

XYZ(75.5624, 91.2256, 50.5245)

Have a look what the booklet for  
XYZ(75.5624, 91.2256, 50.5245)  
contains.

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# Color

**XYZ(75.4610, 91.1701,  
50.6662)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6FFA8
RGB	230, 255, 168
RGB Percent	90%, 100%, 66%
CMY	0.0980, 0.0000, 0.3412
CMYK	0.10, 0.00, 0.34, 0.00
HSL	77°, 100%, 83%
HSV	77°, 34%, 100%
XYZ	75.4610, 91.1701, 50.6662
YIQ	237.6070, 13.0270, -32.3570

# Conversions

## Conversions Part 2

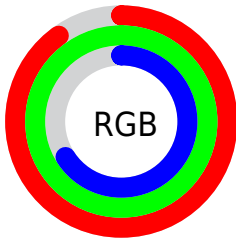
Format	Color
<a href="#">RYB</a>	<a href="#">168, 255, 193</a>
Decimal	<a href="#">15138728</a>
CIELab	<a href="#">96.48, -21.85, 38.95</a>
CIElCh	<a href="#">96, 44.656, 119.287</a>
Yxy	<a href="#">91.1701, 0.3473, 0.4196</a>
Android (android.graphics.Color)	<a href="#">4293328808 (0xFFE6FFA8)</a>
YUV	<a href="#">237.6070, -34.3163, -6.6713</a>
Hunter-Lab	<a href="#">95.4830, -26.0253, 35.3770</a>

# Details

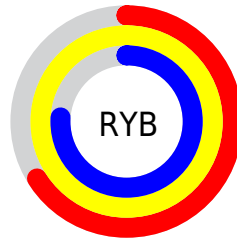
The XYZ color **75.4610, 91.1701, 50.6662** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **54.0461, 46.5640, 100.7470**, and the grayscale version is **81.2132, 85.4426, 93.0470**.

A 20% lighter version of the original color is **90.4545, 98.1618, 84.7007**, and **40.5222, 50.5102, 23.8334** is the 20% darker color. If you saturate the color by 10%, you get **71.0110, 89.1242, 39.2495**, and if you desaturate by 10%, it is **80.4765, 93.4538, 64.5434**.

# Distribution



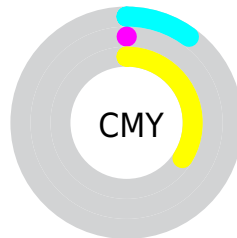
- Red (90%)
- Green (100%)
- Blue (66%)



- Red (66%)
- Yellow (100%)
- Blue (76%)



- Cyan (10%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)




- Cyan (10%)
- Magenta (0%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.4610, 91.1701, 50.6662 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 75.4610, 91.1701, 50.6662 by changing the saturation by 10% instead.





 75.4610, 91.1701,  
50.6662

 75.4610, 91.1701,  
50.6662

468.4734,  
531.8298, 406.0750

 56.2861, 68.9515,  
35.5681


 125.9491,  
148.9627, 92.5676

 40.6703, 50.6722,  
23.8138


157.9931,  
185.3054, 120.2081

 28.2481, 35.9478,  
14.9846


195.0575,  
227.1250, 152.8664

 18.6542, 24.3939,  
8.6621


237.5077,  
274.8059, 190.9611

 11.5232, 15.6261,  
4.4277

285.7091,  
328.7324, 234.9108

 6.4898, 9.2599,  
1.8628

340.0269,

 3.1886, 4.9111,

389.2890, 285.1340

0.4689

400.8265,  
456.8600, 342.0492

■ 1.2543, 2.1952,  
0.0000

■ 0.1486, 0.7174,  
0.0000

■ 75.4610, 91.1701,  
50.6662

■ 75.4610, 91.1701,  
50.6662

■ 71.0110, 89.1242,  
39.2495

■ 80.4765, 93.4538,  
64.5434

■ 67.0968, 87.3038,  
30.1454

■ 86.0827, 95.9852,  
81.0097

■ 63.6874, 85.6964,  
23.1960

■ 92.3045, 98.7746,  
100.1891

■ 60.7475, 84.2879,  
18.2221

95.0500, 100.0000,  
108.9000

■ 58.2363, 83.0617,  
15.0157

■ 56.1042, 81.9979,  
13.3222

■ 54.9860, 81.4314,  
12.8198

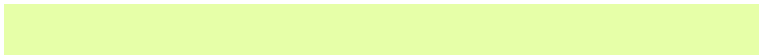
# Harmonies

## Analogous

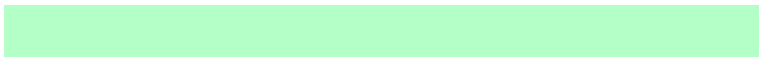
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.9528, 91.1701, 45.2750



75.4610, 91.1701, 50.6662



67.6555, 91.1701, 68.2020

# Triad

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



75.4610, 91.1701, 50.6662



74.9912, 91.1701, 170.6677



112.8701, 91.1701, 100.1248

# Complementary

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



75.4610, 91.1701, 50.6662



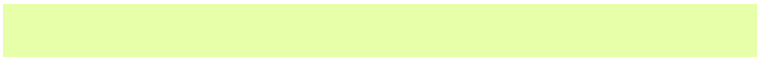
54.0461, 46.5640, 100.7470

# 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.



108.9137, 91.1701, 138.5739



75.4610, 91.1701, 50.6662



86.3567, 91.1701, 184.8395

# Square

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



75.4610, 91.1701, 50.6662



67.4031, 91.1701, 136.7354



98.9034, 91.1701, 171.8956

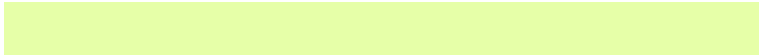


109.2612, 91.1701, 69.3596

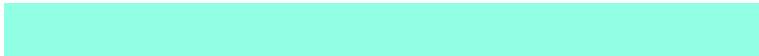


# Rectangle

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



75.4610, 91.1701, 50.6662



65.1922, 91.1701, 87.0589



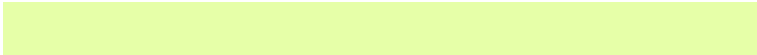
98.9034, 91.1701, 171.8956



112.3753, 91.1701, 112.5700

# Sweetspot

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



75.4614, 91.1703, 50.6675



88.5681, 97.1017, 88.5698



67.3012, 62.0735, 45.4813



18.7731, 20.7011, 18.3940



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

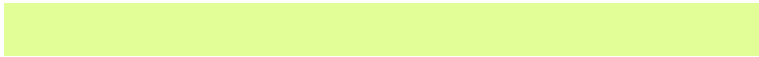


# Same Dimension

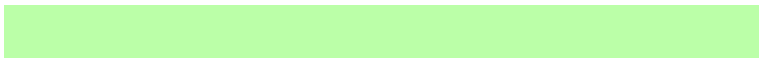
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.4614, 91.1703, 50.6675



72.3391, 89.7371, 42.5528



63.2855, 84.8934, 50.0977



19.0228, 20.8132, 19.1591



28.8862, 42.6295, 6.7058



2.9206, 4.2064, 0.6580



# Inverse Universe

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



54.0461, 46.5640, 100.7470



47.9658, 38.9392, 99.5957



66.6952, 53.0849, 101.3389



17.4932, 17.6305, 22.7310



11.0048, 4.5836, 49.7393

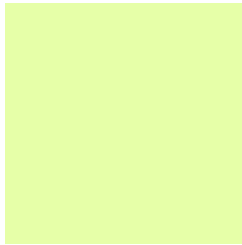


1.1738, 0.4990, 4.8477



# Previews

## White Background



This preview shows how the XYZ color 75.4610, 91.1701, 50.6662 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

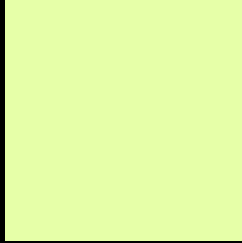
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.4610, 91.1701, 50.6662 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

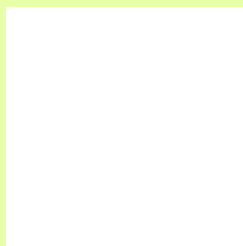
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 75.4610, 91.1701, 50.6662

## Background



This preview shows how black text looks on a background with the XYZ color 75.4610, 91.1701, 50.6662.



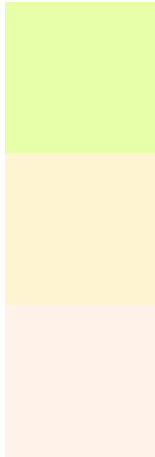
This preview shows how white text looks on a background with the XYZ color 75.4610, 91.1701,



# 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

75.4610, 91.1701, 50.6662

### Protanopia

85.0993, 90.5648, 73.3171

### Deuteranopia

87.5576, 90.5905, 89.2149

## **Tritanopia**

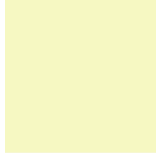
87.3628, 90.9761, 107.5634

# Trichromacy



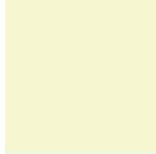
## Original Color

75.4610, 91.1701, 50.6662



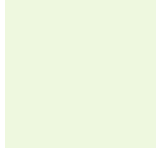
## Protanomaly

81.3110, 90.6227, 64.2453



## Deuteranomaly

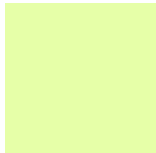
82.7754, 90.7178, 73.4692



## Tritanomaly

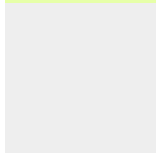
82.1466, 90.6397, 82.9777

# Monochromacy



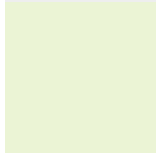
## Original Color

75.4610, 91.1701, 50.6662



## Achromatopsia

81.2670, 85.4993, 93.1087



## Achromatomaly

78.6219, 87.1676, 75.6320

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.4610, 91.1701, 50.6662 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, 168)` looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 168)  
}
```

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, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 168) }
```

## Border

The CSS property to change the border of an element to XYZ 75.4610, 91.1701, 50.6662 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".

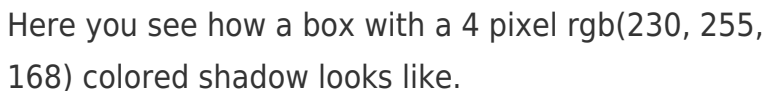
```
.border, #border, table{ border:4px solid rgb(230, 255, 168) }
```



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

```
.border{ border-color:rgb(230, 255, 168) }
```

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, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(230, 255, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(230, 255, 168); box-shadow:4px 4px 4px 4px rgb(230, 255, 168) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.4610, 91.1701, 50.6662 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, 168) }
```

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

```
.background{ background-color: rgb(230,  
255, 168) }
```

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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