

# Converting Colors

XYZ(77.8071, 91.9721, 69.1878)

Have a look what the booklet for  
XYZ(77.8071, 91.9721, 69.1878)  
contains.

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# Color

**XYZ(77.6666, 91.9058,  
68.9045)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E2FFC9
RGB	226, 255, 201
RGB Percent	89%, 100%, 79%
CMY	0.1137, 0.0000, 0.2118
CMYK	0.11, 0.00, 0.21, 0.00
HSL	92°, 100%, 89%
HSV	92°, 21%, 100%
XYZ	77.6666, 91.9058, 68.9045
YIQ	240.1730, 0.0500, -22.9420

# Conversions

## Conversions Part 2

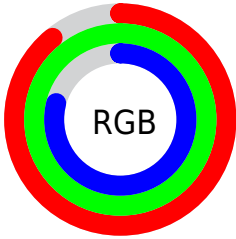
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	201, 255, 230
Decimal	14876617
CIE <sub>Lab</sub>	96.78, -18.68, 22.74
CIE <sub>LCh</sub>	97, 29.430, 129.396
Yxy	91.9058, 0.3257, 0.3854
Android (android.graphics.Color)	4293066697 (0xFFE2FFC9)
YUV	240.1730, -19.3123, -12.4297
Hunter-Lab	95.8675, -23.1572, 24.4927

# Details

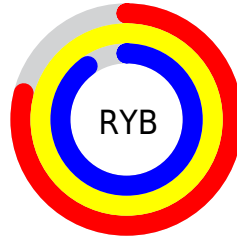
The XYZ color **77.6666, 91.9058, 68.9045** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.5708, 65.8176, 103.5396**, and the grayscale version is **83.1058, 87.4338, 95.2154**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0381, 51.0408, 35.2400** is the 20% darker color. If you saturate the color by 10%, you get **70.7870, 88.6775, 54.2021**, and if you desaturate by 10%, it is **85.3884, 95.5106, 86.2483**.

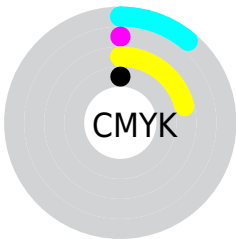
# Distribution



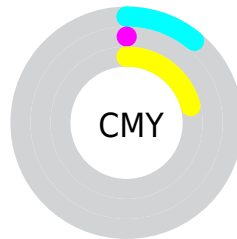
- Red (89%)
- Green (100%)
- Blue (79%)



- Red (79%)
- Yellow (100%)
- Blue (90%)



- Cyan (11%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)




- Cyan (11%)
- Magenta (0%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6666, 91.9058, 68.9045 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 77.6666, 91.9058, 68.9045 by changing the saturation by 10% instead.




 77.6666, 91.9058,  
68.9045

 77.6666, 91.9058,  
68.9045


475.8910,  
534.2110, 475.3789

 58.1020, 69.5624,  
50.1627


129.0479,  
149.9828, 119.3116

 42.1342, 51.1699,  
35.1706


161.5952,  
186.4852, 151.8139

 29.3980, 36.3438,  
23.5097


199.2009,  
228.4761, 189.7401

 19.5279, 24.6998,  
14.7615

242.2302,  
276.3398, 233.5088

 12.1586, 15.8536,  
8.5074

291.0485,  
330.4608, 283.5385

 6.9247, 9.4206,  
4.3289

346.0212,

 3.4610, 5.0165,

391.2234, 340.2477

1.8075

407.5135,  
459.0120, 404.0550

■ 1.4020, 2.2570,  
0.4329

■ 0.2576, 0.7508,  
0.0000

■ 77.6666, 91.9058,  
68.9045

■ 77.6666, 91.9058,  
68.9045

■ 70.7870, 88.6775,  
54.2021

■ 85.3884, 95.5106,  
86.2483

■ 64.7154, 85.8111,  
42.0074

■ 93.9812, 99.5044,  
106.3502

■ 59.4174, 83.2919,  
32.1811

■ 95.0500, 100.0000,  
108.9000

■ 54.8552, 81.1038,  
24.5684

■ 50.9871, 79.2290,  
18.9964

■ 47.7659, 77.6477,  
15.2665

■ 45.1368, 76.3366,  
13.1402

■ 43.2385, 75.3753,  
12.2700

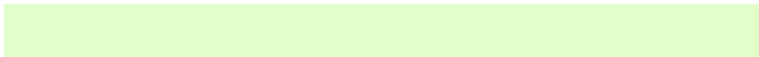
# Harmonies

## Analogous

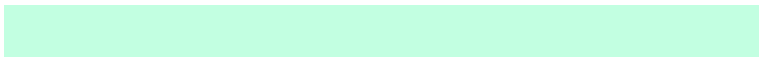
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.7892, 91.9058, 61.6038



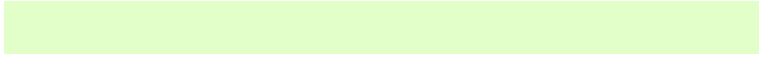
77.6666, 91.9058, 68.9045



73.3293, 91.9058, 84.9170

# Triad

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



77.6666, 91.9058, 68.9045



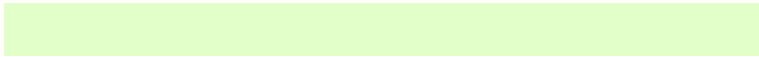
81.8888, 91.9058, 148.9087



103.9592, 91.9058, 92.8339

# Complementary

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



77.6666, 91.9058, 68.9045



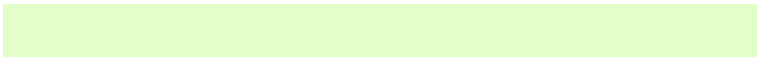
71.5708, 65.8176, 103.5396

# Split Complementary

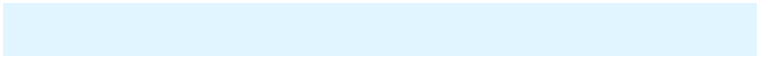
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.0611, 91.9058, 116.9257



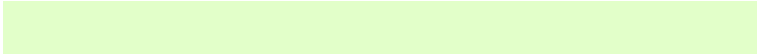
77.6666, 91.9058, 68.9045



89.9694, 91.9058, 151.9224

# Square

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



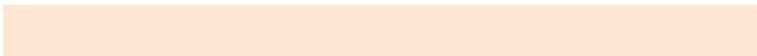
77.6666, 91.9058, 68.9045



75.6583, 91.9058, 131.7654



97.8146, 91.9058, 139.4483

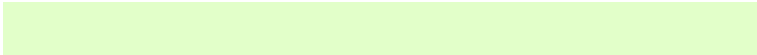


100.1962, 91.9058, 73.9141

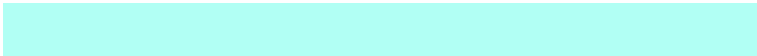


# Rectangle

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



77.6666, 91.9058, 68.9045



72.4307, 91.9058, 99.5915



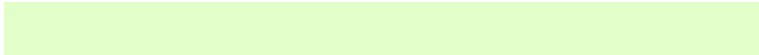
97.8146, 91.9058, 139.4483



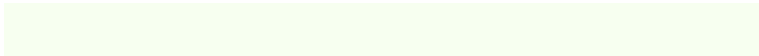
104.1974, 91.9058, 100.5496

# Sweetspot

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



77.6671, 91.9060, 68.9059



89.7250, 97.5282, 96.3004



80.0244, 81.9601, 66.8619



19.0849, 20.8193, 20.3319



0.0000, 0.0000, 0.0000

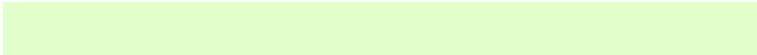


20.3446, 21.4041, 23.3091

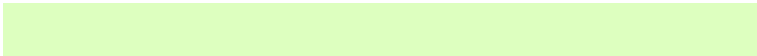


# Same Dimension

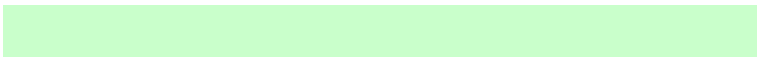
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.6671, 91.9060, 68.9059



74.9383, 90.6276, 62.9778



70.6039, 88.2402, 69.6872



18.5708, 20.5802, 19.1379



22.7612, 39.4719, 6.4192



2.3407, 3.9074, 0.6308



# Inverse Universe

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



71.5708, 65.8176, 103.5396



67.9387, 60.6766, 102.7387



79.8887, 70.1389, 102.4233



17.9348, 17.8581, 22.7516



14.9918, 6.6391, 49.9259

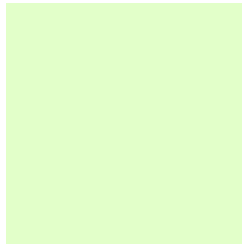


1.5858, 0.7114, 4.8670



# Previews

## White Background



This preview shows how the XYZ color 77.6666, 91.9058, 68.9045 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 77.6666, 91.9058, 68.9045 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

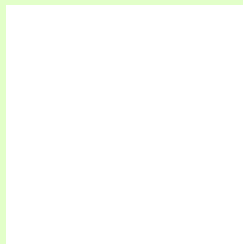
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 77.6666, 91.9058, 68.9045

## Background



This preview shows how black text looks on a background with the XYZ color 77.6666, 91.9058, 68.9045.



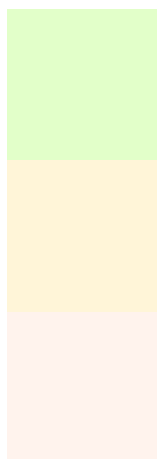
This preview shows how white text looks on a background with the XYZ color 77.6666, 91.9058,



# 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

77.6666, 91.9058, 68.9045

### Protanopia

86.2871, 91.5227, 78.0836

### Deuteranopia

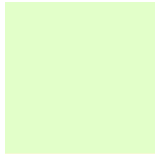
88.5767, 91.4756, 93.1088



## Tritanopia

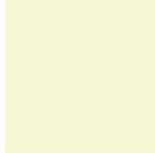
87.2814, 91.8323, 107.7329

# Trichromacy



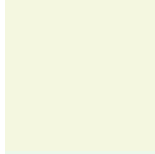
## Original Color

77.6666, 91.9058, 68.9045



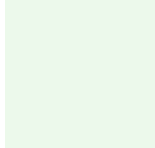
## Protanomaly

82.9418, 91.6876, 74.9540



## Deuteranomaly

84.0235, 91.1364, 83.6836



## Tritanomaly

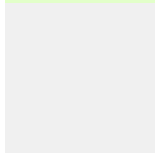
83.4631, 91.5824, 91.8755

# Monochromacy



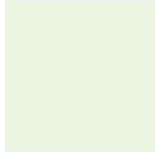
## Original Color

77.6666, 91.9058, 68.9045



## Achromatopsia

82.8234, 87.1367, 94.8919



## Achromatomaly

80.6408, 88.4580, 84.7754

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.6666, 91.9058, 68.9045 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(226, 255, 201)` looks like.

```
.text, #text, p{  
    color:rgb(226, 255, 201)  
}
```

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(226, 255, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 255, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 77.6666, 91.9058, 68.9045 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(226, 255, 201) }
```



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

```
.border{ border-color:rgb(226, 255, 201) }
```

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

Here you see how a box with a 4 pixel rgb(226, 255, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(226, 255,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.6666, 91.9058, 68.9045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 255, 201) }
```

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

```
.background{ background-color: rgb(226,  
255, 201) }
```

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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