

# Converting Colors

XYZ(76.6558, 103.3925,  
45.0820)

Have a look what the booklet for  
XYZ(76.6558, 103.3925, 45.0820)  
contains.

<b>XYZ(69.0775, 88.0505, 42.6328)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(69.0775, 88.0505,  
42.6328)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D6FF97
RGB	214, 255, 151
RGB Percent	84%, 100%, 59%
CMY	0.1608, 0.0000, 0.4078
CMYK	0.16, 0.00, 0.41, 0.00
HSL	84°, 100%, 80%
HSV	84°, 41%, 100%
XYZ	69.0775, 88.0505, 42.6328
YIQ	230.8850, 8.9480, -41.0360

# Conversions

## Conversions Part 2

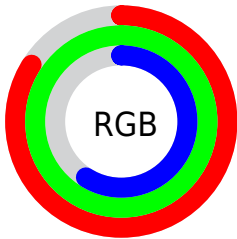
Format	Color
<a href="#">RYB</a>	<a href="#">151, 255, 192</a>
Decimal	<a href="#">14090135</a>
CIELab	<a href="#">95.18, -29.69, 45.38</a>
CIElCh	<a href="#">95, 54.229, 123.198</a>
Yxy	<a href="#">88.0505, 0.3458, 0.4408</a>
Android (android.graphics.Color)	<a href="#">4292280215 (0xFFD6FF97)</a>
YUV	<a href="#">230.8850, -39.3833, -14.8081</a>
Hunter-Lab	<a href="#">93.8352, -32.8075, 38.7470</a>

# Details

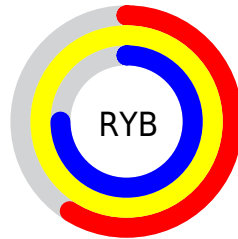
The XYZ color **69.0775, 88.0505, 42.6328** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **50.8559, 40.5609, 99.7564**, and the grayscale version is **76.1486, 80.1143, 87.2444**.

A 20% lighter version of the original color is **88.1406, 97.2362, 72.5155**, and **36.4992, 48.5391, 19.0005** is the 20% darker color. If you saturate the color by 10%, you get **64.3813, 85.8435, 32.7471**, and if you desaturate by 10%, it is **74.4034, 90.5304, 54.8883**.

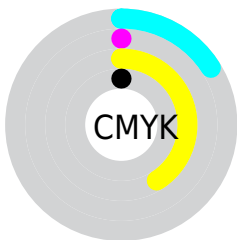
# Distribution



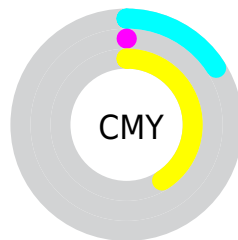
- Red (84%)
- Green (100%)
- Blue (59%)



- Red (59%)
- Yellow (100%)
- Blue (75%)



- Cyan (16%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)




- Cyan (16%)
- Magenta (0%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.0775, 88.0505, 42.6328 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 69.0775, 88.0505, 42.6328 by changing the saturation by 10% instead.





 69.0775, 88.0505,  
42.6328


 69.0775, 88.0505,  
42.6328


446.6214,  
521.6686, 372.9762

 51.0517, 66.3649,  
29.2678


 116.9257,  
144.6275, 80.4368

 36.4710, 48.5687,  
19.0362


 147.4789,  
180.2876, 105.7130

 24.9699, 34.2774,  
11.5194


182.9385,  
221.3747, 135.7967

 16.1833, 23.1068,  
6.2988

223.6699,  
268.2732, 171.1064

 9.7456, 14.6724,  
2.9559

270.0386,  
321.3674, 212.0606

 5.2916, 8.5898,  
1.0722

322.4098,

 2.4558, 4.4746,

381.0418, 259.0780

0.0000

381.1490,  
447.6807, 312.5770

0.8730, 1.9424,  
0.0000

0.0000, 0.5737,  
0.0000

69.0775, 88.0505,  
42.6328

69.0775, 88.0505,  
42.6328

64.3813, 85.8435,  
32.7471

74.4034, 90.5304,  
54.8883

60.2814, 83.8955,  
25.0736

80.3877, 93.2949,  
69.6497

56.7422, 82.1920,  
19.4418

87.0583, 96.3555,  
87.0475

53.7228, 80.7161,  
15.6543

94.4410, 99.7230,  
107.2018

■ 51.1750, 79.4483, 95.0500, 100.0000,  
13.4751 108.9000

■ 49.1759, 78.4362,  
12.5479

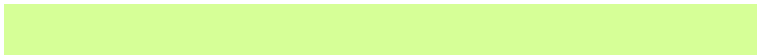
# Harmonies

## Analogous

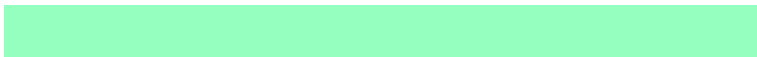
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.1142, 88.0505, 35.4195



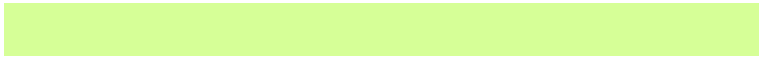
69.0775, 88.0505, 42.6328



60.8061, 88.0505, 63.6652

# Triad

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



69.0775, 88.0505, 42.6328



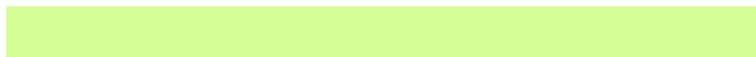
71.5216, 88.0505, 188.3775



115.3809, 88.0505, 91.4036

# Complementary

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



69.0775, 88.0505, 42.6328



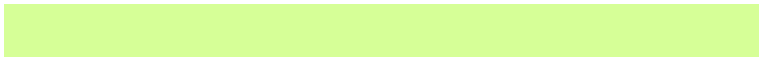
50.8559, 40.5609, 99.7564

# Split Complementary

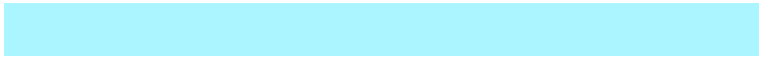
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



111.6951, 88.0505, 137.4384



69.0775, 88.0505, 42.6328



85.2845, 88.0505, 202.2165

# Square

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



69.0775, 88.0505, 42.6328



62.0962, 88.0505, 147.6796



100.2288, 88.0505, 181.3451

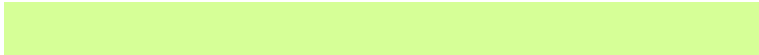


109.7846, 88.0505, 57.8659



# Rectangle

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



69.0775, 88.0505, 42.6328



58.5301, 88.0505, 86.5551



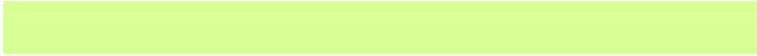
100.2288, 88.0505, 181.3451



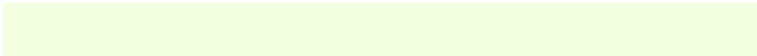
115.1881, 88.0505, 105.8346

# Sweetspot

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



69.0778, 88.0507, 42.6341



86.2090, 95.9669, 84.7855



65.4283, 60.6987, 37.5470



18.2596, 20.4526, 17.6375



0.0000, 0.0000, 0.0000

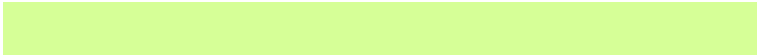


20.3446, 21.4041, 23.3091

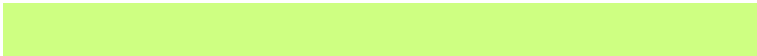


# Same Dimension

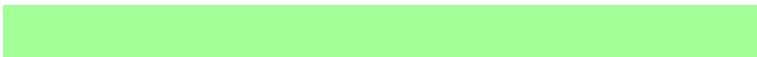
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.0778, 88.0507, 42.6341



65.1741, 86.2177, 34.3433



56.4782, 81.5553, 42.0444



18.8275, 20.7125, 19.1499



25.8682, 41.0736, 6.5646



2.6416, 4.0626, 0.6449



# Inverse Universe

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



50.8559, 40.5609, 99.7564



44.7014, 32.8193, 98.5865



66.0333, 48.3852, 100.4667



17.6805, 17.7270, 22.7397



12.3644, 5.2846, 49.8029

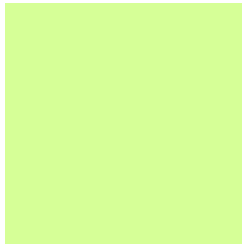


1.3225, 0.5757, 4.8547



# Previews

## White Background



This preview shows how the XYZ color 69.0775, 88.0505, 42.6328 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 69.0775, 88.0505, 42.6328 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

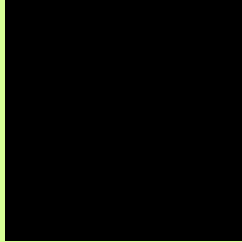
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 69.0775, 88.0505, 42.6328**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.0775, 88.0505, 42.6328.



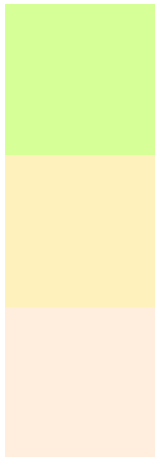
This preview shows how white text looks on a background with the XYZ color 69.0775, 88.0505,

42.6328.

# 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

69.0775, 88.0505, 42.6328

### Protanopia

81.6649, 87.7585, 59.6486

### Deuteranopia

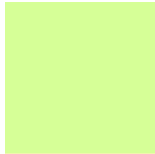
84.8657, 87.6295, 80.8479



## Tritanopia

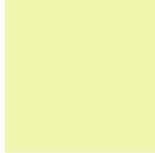
83.4064, 88.0479, 107.2067

# Trichromacy



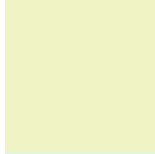
## Original Color

69.0775, 88.0505, 42.6328



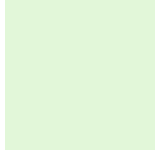
## Protanomaly

76.5309, 87.4928, 52.8986



## Deuteranomaly

78.2497, 87.2122, 64.9340



## Tritanomaly

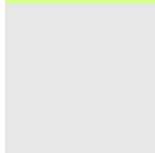
77.1492, 87.7000, 78.5072

# Monochromacy



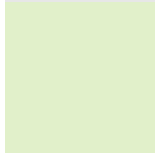
## Original Color

69.0775, 88.0505, 42.6328



## Achromatopsia

75.9547, 79.9103, 87.0223



## Achromatomaly

72.8721, 82.5920, 67.9782

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.0775, 88.0505, 42.6328 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(214, 255, 151)` looks like.

```
.text, #text, p{  
    color:rgb(214, 255, 151)  
}
```

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(214, 255, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 255, 151) }
```

## Border

The CSS property to change the border of an element to XYZ 69.0775, 88.0505, 42.6328 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(214, 255, 151) }
```



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

```
.border{ border-color:rgb(214, 255, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 255, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 255, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 255, 151);  
box-shadow:4px 4px 4px 4px rgb(214, 255,  
151) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.0775, 88.0505, 42.6328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 255, 151) }
```

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

```
.background{ background-color: rgb(214,  
255, 151) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor