

# Converting Colors

XYZ(69.6402, 86.8311, 53.8553)

Have a look what the booklet for  
XYZ(69.6402, 86.8311, 53.8553)  
contains.

<b>XYZ(69.4122, 86.5648, 53.6077)</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(69.4122, 86.5648,  
53.6077)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D3FCAF
RGB	211, 252, 175
RGB Percent	83%, 99%, 69%
CMY	0.1725, 0.0117, 0.3137
CMYK	0.16, 0.00, 0.31, 0.01
HSL	92°, 93%, 84%
HSV	92°, 31%, 99%
XYZ	69.4122, 86.5648, 53.6077
YIQ	230.9630, 0.2810, -32.6390

# Conversions

## Conversions Part 2

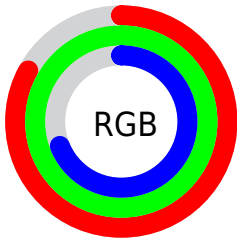
Format	Color
<a href="#">RYB</a>	<a href="#">175, 252, 216</a>
Decimal	<a href="#">13892783</a>
CIELab	<a href="#">94.55, -26.26, 32.68</a>
CIELCh	<a href="#">95, 41.924, 128.777</a>
Yxy	<a href="#">86.5648, 0.3312, 0.4130</a>
Android (android.graphics.Color)	<a href="#">4292082863</a> ( <a href="#">0xFFD3FCAF</a> )
YUV	<a href="#">230.9630, -27.5898, -17.5076</a>
Hunter-Lab	<a href="#">93.0402, -29.6513, 30.9666</a>

# Details

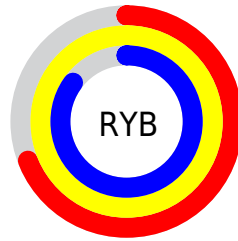
The XYZ color **69.4122, 86.5648, 53.6077** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **61.2232, 52.2896, 98.9662**, and the grayscale version is **76.1288, 80.0934, 87.2217**.

A 20% lighter version of the original color is **91.4238, 98.5495, 89.8047**, and **36.5455, 47.4039, 25.6361** is the 20% darker color. If you saturate the color by 10%, you get **63.4797, 83.7689, 41.5939**, and if you desaturate by 10%, it is **76.1321, 89.7185, 68.0729**.

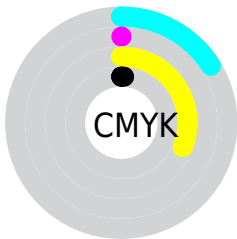
# Distribution



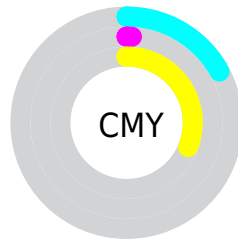
- Red (83%)
- Green (99%)
- Blue (69%)



- Red (69%)
- Yellow (99%)
- Blue (85%)



- Cyan (16%)
- Magenta (0%)
- Yellow (31%)
- Black (1%)




- Cyan (17%)
- Magenta (1%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.4122, 86.5648, 53.6077 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 69.4122, 86.5648, 53.6077 by changing the saturation by 10% instead.





 69.4122, 86.5648,  
53.6077

 69.4122, 86.5648,  
53.6077


447.7821,  
516.7917, 417.7445

 51.3253, 65.1351,  
37.8971


 117.4010,  
142.5574, 96.9486

 36.6897, 47.5706,  
25.6016


148.0336,  
177.8891, 125.4159

 25.1399, 33.4870,  
16.3027


183.5789,  
218.6236, 158.9726

 16.3106, 22.4998,  
9.5820

224.4021,  
265.1453, 198.0371

 9.8364, 14.2246,  
5.0207

270.8687,  
317.8385, 243.0280

 5.3521, 8.2770,  
2.2005

323.3440,

 2.4922, 4.2727,

377.0878, 294.3638

0.6746

382.1933,  
443.2774, 352.4632

■ 0.8913, 1.8273,  
0.0000

■ 0.0000, 0.5041,  
0.0000

■ 69.4122, 86.5648,  
53.6077

■ 69.4122, 86.5648,  
53.6077

■ 63.4797, 83.7689,  
41.5939

■ 76.1321, 89.7185,  
68.0729

■ 58.2943, 81.3051,  
31.8898

■ 83.6640, 93.2321,  
85.1092

■ 53.8219, 79.1619,  
24.3481

■ 92.0396, 97.1219,  
104.8353

■ 50.0226, 77.3220,  
18.8022

■ 94.1022, 98.1044,  
108.5841

■ 46.8512, 75.7666,  
15.0608

■ 44.2552, 74.4736,  
12.8956

■ 42.2576, 73.4626,  
11.9525

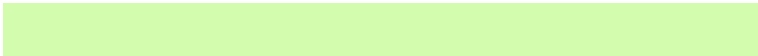
# Harmonies

## Analogous

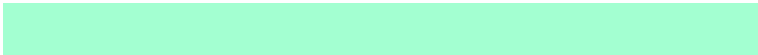
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.0078, 86.5648, 45.1820



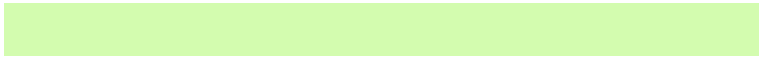
69.4122, 86.5648, 53.6077



63.6487, 86.5648, 73.4856

# Triad

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



69.4122, 86.5648, 53.6077



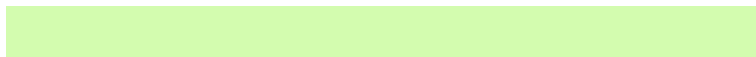
74.6638, 86.5648, 164.9290



105.6593, 86.5648, 85.0790

# Complementary

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



69.4122, 86.5648, 53.6077



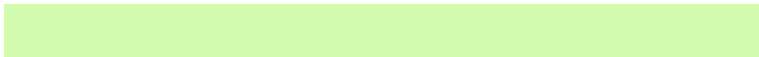
61.2232, 52.2896, 98.9662

# Split Complementary

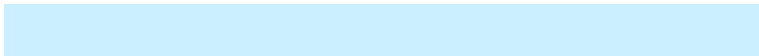
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



104.2262, 86.5648, 118.6082



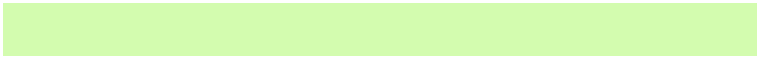
69.4122, 86.5648, 53.6077



85.6357, 86.5648, 170.0484

# Square

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



69.4122, 86.5648, 53.6077



66.4822, 86.5648, 138.8178



96.6411, 86.5648, 151.5284

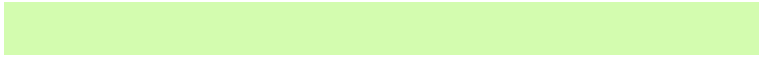


100.3946, 86.5648, 60.4223



# Rectangle

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



69.4122, 86.5648, 53.6077



62.4198, 86.5648, 92.9334



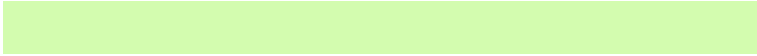
96.6411, 86.5648, 151.5284



105.9542, 86.5648, 95.5878

# Sweetspot

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



69.4144, 86.5686, 53.6096



87.2185, 96.3644, 90.3845



72.1314, 72.2844, 50.7093



18.4117, 20.5065, 18.7511



0.0000, 0.0000, 0.0000

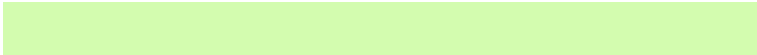


20.3446, 21.4041, 23.3091

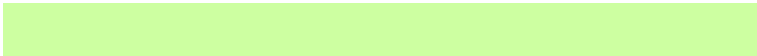


# Same Dimension

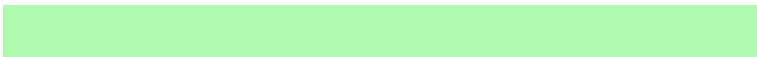
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.4144, 86.5686, 53.6096



67.2722, 87.0256, 46.8086



60.3567, 81.8845, 53.8469



17.7888, 19.7069, 18.3286



22.1780, 38.3515, 6.2337



2.1752, 3.6144, 0.5830



# Inverse Universe

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



61.2232, 52.2896, 98.9662



57.5669, 46.4206, 100.5337



72.8462, 58.3049, 98.4520



17.1657, 17.0980, 21.7808



14.4621, 6.3982, 48.4463

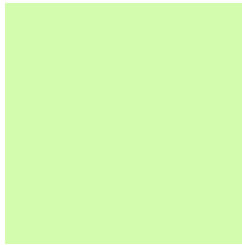


1.4618, 0.6557, 4.4927



# Previews

## White Background



This preview shows how the XYZ color 69.4122, 86.5648, 53.6077 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

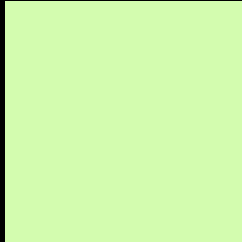
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.4122, 86.5648, 53.6077 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

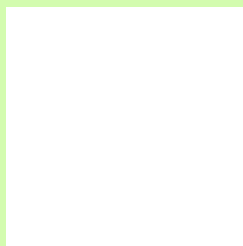
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 69.4122, 86.5648, 53.6077**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.4122, 86.5648, 53.6077.



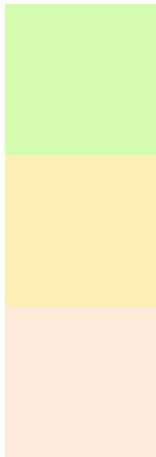
This preview shows how white text looks on a background with the XYZ color 69.4122, 86.5648,



# 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

69.4122, 86.5648, 53.6077

### Protanopia

80.4470, 86.3292, 56.1393

### Deuteranopia

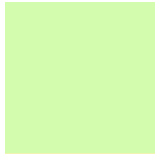
83.8666, 85.8440, 79.8594



## **Tritanopia**

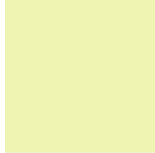
81.5002, 86.6246, 107.0324

# Trichromacy



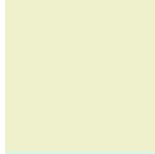
## Original Color

69.4122, 86.5648, 53.6077



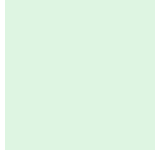
## Protanomaly

76.0840, 86.3068, 55.2966



## Deuteranomaly

77.9510, 85.6209, 69.5448



## Tritanomaly

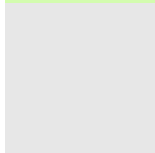
76.5041, 86.3254, 84.5818

# Monochromacy



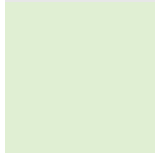
## Original Color

69.4122, 86.5648, 53.6077



## Achromatopsia

75.9547, 79.9103, 87.0223



## Achromatomaly

73.3648, 82.2834, 73.6436

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.4122, 86.5648, 53.6077 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(211, 252, 175)` looks like.

```
.text, #text, p{  
    color:rgb(211, 252, 175)  
}
```

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(211, 252, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 252, 175) }
```

## Border

The CSS property to change the border of an element to XYZ 69.4122, 86.5648, 53.6077 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(211, 252, 175) }
```



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

```
.border{ border-color:rgb(211, 252, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 252, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 252, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 252, 175);  
box-shadow:4px 4px 4px 4px rgb(211, 252,  
175) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.4122, 86.5648, 53.6077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 252, 175) }
```

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

```
.background{ background-color: rgb(211,  
252, 175) }
```

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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