

# Converting Colors

XYZ(57.7330, 82.2520, 39.8540)

Have a look what the booklet for  
XYZ(57.7330, 82.2520, 39.8540)  
contains.

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# Color

**XYZ(57.7429, 82.2532,  
40.0272)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABFF92
RGB	171, 255, 146
RGB Percent	67%, 100%, 57%
CMY	0.3294, 0.0000, 0.4274
CMYK	0.33, 0.00, 0.43, 0.00
HSL	106°, 100%, 79%
HSV	106°, 43%, 100%
XYZ	57.7429, 82.2532, 40.0272
YIQ	217.4580, -15.0750, -51.7070

# Conversions

## Conversions Part 2

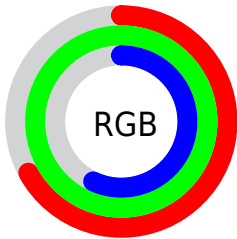
<b>Format</b>	<b>Color</b>
<b>RYB</b>	146, 255, 230
Decimal	11272082
CIELab	92.69, -45.01, 44.12
CIELCh	93, 63.023, 135.570
Yxy	82.2532, 0.3208, 0.4569
Android (android.graphics.Color)	4289462162 (0xFFABFF92)
YUV	217.4580, -35.2288, -40.7437
Hunter-Lab	90.6935, -45.0661, 37.3181

# Details

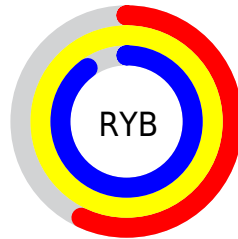
The XYZ color **57.7429, 82.2532, 40.0272** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **60.9632, 44.6020, 100.0037**, and the grayscale version is **66.5092, 69.9729, 76.2005**.

A 20% lighter version of the original color is **78.6157, 92.3951, 68.9489**, and **29.2401, 44.8233, 17.4666** is the 20% darker color. If you saturate the color by 10%, you get **52.0082, 79.5011, 30.5339**, and if you desaturate by 10%, it is **64.5573, 85.5109, 51.8827**.

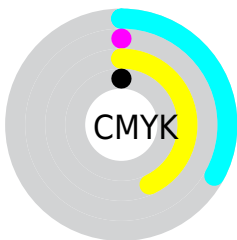
# Distribution



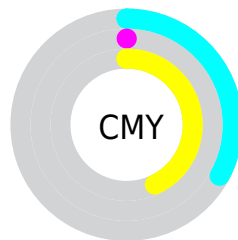
- Red (67%)
- Green (100%)
- Blue (57%)



- Red (57%)
- Yellow (100%)
- Blue (90%)



- Cyan (33%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)




- Cyan (33%)
- Magenta (0%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.7429, 82.2532, 40.0272 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 57.7429, 82.2532, 40.0272 by changing the saturation by 10% instead.





 57.7429, 82.2532,  
40.0272


 57.7429, 82.2532,  
40.0272


406.1966,  
502.4942, 361.7937

 41.8444, 61.5743,  
27.2458


 100.6735,  
136.5290, 76.4425

 29.1701, 44.6888,  
17.5238


 128.4363,  
170.8947, 100.9134

 19.3545, 31.2124,  
10.4428


160.8847,  
210.5914, 130.1180

 12.0322, 20.7606,  
5.5841

198.3839,  
256.0035, 164.4747

 6.8380, 12.9491,  
2.5292

241.2994,  
307.5155, 204.4021

 3.4064, 7.3935,  
0.8556


289.9964,


 1.3721, 3.7094,


365.5117, 250.3187


0.0000


344.8403,  
430.3764, 302.6430


 0.2362, 1.5124,  
0.0000


 0.0000, 0.2974,  
0.0000

 57.7429, 82.2532,  
40.0272


 57.7429, 82.2532,  
40.0272


 52.0082, 79.5011,  
30.5339


 64.5573, 85.5109,  
51.8827


 47.2942, 77.2274,  
23.2409

 72.5035, 89.2977,  
66.2400

 43.5378, 75.4037,  
17.9721

 81.6314, 93.6367,  
83.2325

 40.6678, 73.9975,  
14.5227

 91.9876, 98.5491,  
102.9830

■ 38.6015, 72.9718, 95.0500, 100.0000,  
12.6445 108.9000

■ 37.5331, 72.4341,  
12.0030

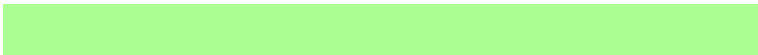
# Harmonies

## Analogous

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



70.0122, 82.2532, 27.6691



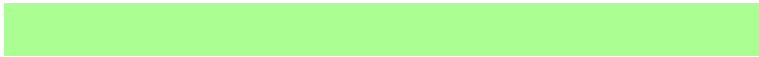
57.7429, 82.2532, 40.0272



51.4308, 82.2532, 68.8767

# Triad

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



57.7429, 82.2532, 40.0272



70.5774, 82.2532, 208.6697



112.6822, 82.2532, 67.4284

# Complementary

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



57.7429, 82.2532, 40.0272



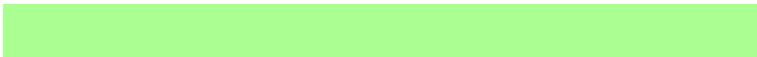
60.9632, 44.6020, 100.0037

# Split Complementary

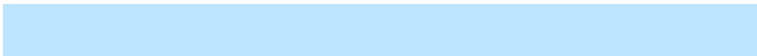
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



112.8897, 82.2532, 114.0172



57.7429, 82.2532, 40.0272



86.9579, 82.2532, 207.8525

# Square

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



57.7429, 82.2532, 40.0272



58.1066, 82.2532, 170.8269



102.9446, 82.2532, 168.8780

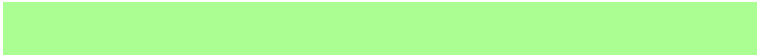


102.4120, 82.2532, 39.2882



# Rectangle

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



57.7429, 82.2532, 40.0272



50.7932, 82.2532, 98.6204



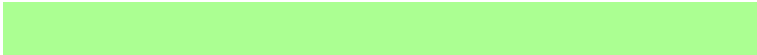
102.9446, 82.2532, 168.8780



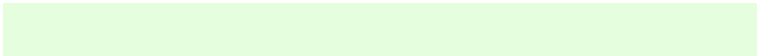
113.9744, 82.2532, 81.0717

# Sweetspot

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



57.7433, 82.2534, 40.0285



81.3825, 93.5185, 82.7634



74.6051, 79.6885, 38.6447



16.9672, 19.8021, 16.8654



0.0000, 0.0000, 0.0000

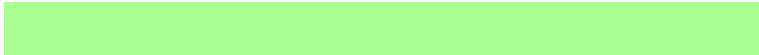


20.3446, 21.4041, 23.3091

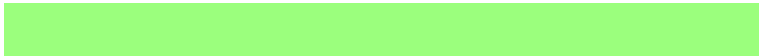


# Same Dimension

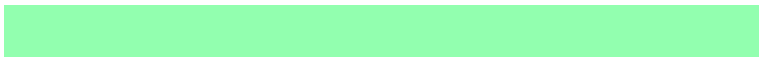
The Same Dimension uses a secret algorithm to generate beautiful new colors.



57.7433, 82.2534, 40.0285



52.9331, 79.9458, 32.0265



55.3592, 80.7291, 53.2575



18.1613, 20.3691, 19.1188



19.7182, 37.9032, 6.2768



2.0102, 3.7371, 0.6154



# Inverse Universe

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



60.9632, 44.6020, 100.0037



56.4828, 37.9101, 98.9481



65.2378, 47.3061, 77.5967



18.3614, 18.0780, 22.7716



21.5338, 10.0116, 50.2321

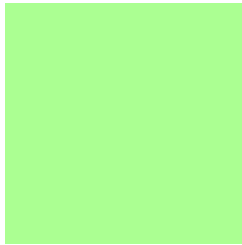


2.1912, 1.0235, 4.8953



# Previews

## White Background



This preview shows how the XYZ color 57.7429, 82.2532, 40.0272 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 57.7429, 82.2532, 40.0272 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

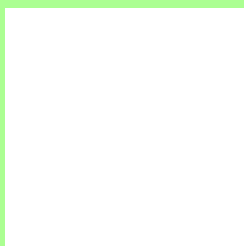
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 57.7429, 82.2532, 40.0272**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.7429, 82.2532, 40.0272.



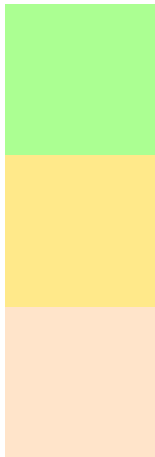
This preview shows how white text looks on a background with the XYZ color 57.7429, 82.2532,

40.0272.

# 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

57.7429, 82.2532, 40.0272

### Protanopia

74.9664, 81.3728, 35.8001

### Deuteranopia

79.6441, 81.0111, 67.3161



## **Tritanopia**

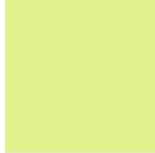
73.2975, 81.9577, 106.5640

# Trichromacy



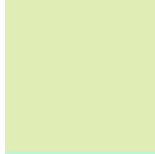
## Original Color

57.7429, 82.2532, 40.0272



## Protanomaly

67.0035, 80.6810, 37.2408



## Deuteranomaly

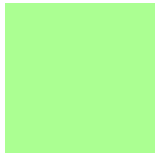
69.7585, 80.3738, 56.0930



## Tritanomaly

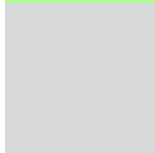
66.1534, 81.1583, 76.4684

# Monochromacy



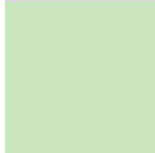
## Original Color

57.7429, 82.2532, 40.0272



## Achromatopsia

65.9525, 69.3872, 75.5626



## Achromatomaly

61.7993, 73.1928, 60.1607

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.7429, 82.2532, 40.0272 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(171, 255, 146)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 146)  
}
```

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(171, 255, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 146) }
```

## Border

The CSS property to change the border of an element to XYZ 57.7429, 82.2532, 40.0272 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(171, 255, 146) }
```



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

```
.border{ border-color:rgb(171, 255, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 255, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 255, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 255, 146);  
box-shadow:4px 4px 4px 4px rgb(171, 255,  
146) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.7429, 82.2532, 40.0272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 255, 146) }
```

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

```
.background{ background-color: rgb(171,  
255, 146) }
```

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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