

# Converting Colors

XYZ(57.7640, 81.5905, 70.4617)

Have a look what the booklet for  
XYZ(57.7640, 81.5905, 70.4617)  
contains.

<b>XYZ(57.7640, 81.5905, 70.4617)</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(57.7640, 81.5905,  
70.4617)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8DFFCD
RGB	141, 255, 205
RGB Percent	55%, 100%, 80%
CMY	0.4470, 0.0000, 0.1961
CMYK	0.45, 0.00, 0.20, 0.00
HSL	154°, 100%, 78%
HSV	154°, 45%, 100%
XYZ	57.7640, 81.5905, 70.4617
YIQ	215.2140, -51.8940, -39.7180

# Conversions

## Conversions Part 2

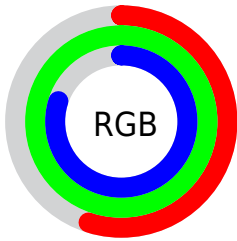
Format	Color
<a href="#">RYB</a>	<a href="#">141, 214, 255</a>
Decimal	<a href="#">9306061</a>
CIELab	<a href="#">92.39, -43.69, 13.89</a>
CIELCh	<a href="#">92, 45.848, 162.360</a>
Yxy	<a href="#">81.5905, 0.2753, 0.3889</a>
Android (android.graphics.Color)	<a href="#">4287496141 (0xFF8DFFCD)</a>
YUV	<a href="#">215.2140, -5.0355, -65.0857</a>
Hunter-Lab	<a href="#">90.3275, -43.9231, 16.9789</a>

# Details

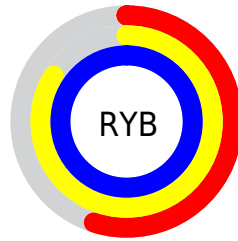
The XYZ color **57.7640, 81.5905, 70.4617** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **60.1694, 44.0723, 54.6264**, and the grayscale version is **64.7946, 68.1689, 74.2360**.

A 20% lighter version of the original color is **77.3632, 90.8821, 108.0723**, and **29.2597, 44.4164, 36.3092** is the 20% darker color. If you saturate the color by 10%, you get **52.6138, 79.0859, 63.4240**, and if you desaturate by 10%, it is **64.0104, 84.6490, 78.0572**.

# Distribution



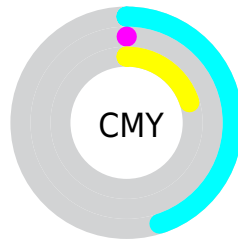
- Red (55%)
- Green (100%)
- Blue (80%)



- Red (55%)
- Yellow (84%)
- Blue (100%)



- Cyan (45%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)




- Cyan (45%)
- Magenta (0%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.7640, 81.5905, 70.4617 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 57.7640, 81.5905, 70.4617 by changing the saturation by 10% instead.





 57.7640, 81.5905,  
70.4617


 57.7640, 81.5905,  
70.4617


406.2740,  
500.2769, 481.0023

 41.8615, 61.0281,  
51.4239


 100.7041,  
135.5996, 121.5542

 29.1835, 44.2478,  
36.1670


 128.4723,  
169.8150, 154.4460

 19.3646, 30.8654,  
24.2725


160.9265,  
209.3502, 192.7929

 12.0396, 20.4964,  
15.3218

198.4320,  
254.5896, 237.0134

 6.8431, 12.7564,  
8.8964

241.3541,  
305.9176, 287.5260

 3.4096, 7.2610,  
4.5778

290.0582,

 1.3739, 3.6259,

363.7185, 344.7494

1.9474

344.9098,  
428.3768, 409.1019

0.2375, 1.4666,  
0.5226

0.0000, 0.2650,  
0.0000

57.7640, 81.5905,  
70.4617

57.7640, 81.5905,  
70.4617

52.6138, 79.0859,  
63.4240

64.0104, 84.6490,  
78.0572

48.4860, 77.0975,  
56.9262

71.4154, 88.2934,  
86.2196

45.3009, 75.5844,  
50.9550

80.0393, 92.5546,  
94.9629

42.9653, 74.4988,  
45.4950

89.9376, 97.4610,  
104.2991

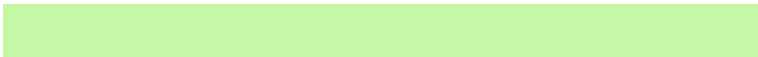
■ 41.3649, 73.7820, 95.0500, 100.0000,  
40.5293 108.9000

■ 40.7300, 73.5080,  
38.0918

# Harmonies

## Analogous

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



63.1614, 81.5905, 48.7540



57.7640, 81.5905, 70.4617



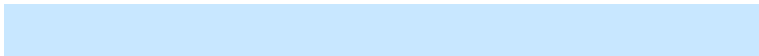
57.3180, 81.5905, 103.5821

# Triad

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



57.7640, 81.5905, 70.4617



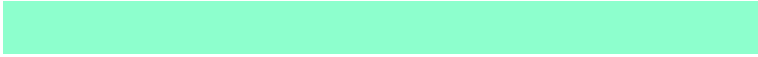
82.5397, 81.5905, 169.2336



95.6716, 81.5905, 51.6644

# Complementary

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



57.7640, 81.5905, 70.4617



60.1694, 44.0723, 54.6264

# 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.



102.0560, 81.5905, 75.5643



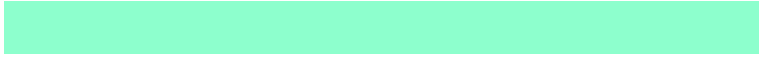
57.7640, 81.5905, 70.4617



93.9715, 81.5905, 146.4384

# Square

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



57.7640, 81.5905, 70.4617



70.8349, 81.5905, 166.8498



101.4038, 81.5905, 110.1605



84.6752, 81.5905, 39.9613



# Rectangle

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



57.7640, 81.5905, 70.4617



59.8193, 81.5905, 128.6306



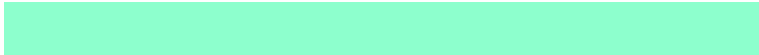
101.4038, 81.5905, 110.1605



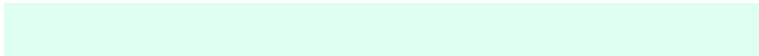
98.4764, 81.5905, 58.2364

# Sweetspot

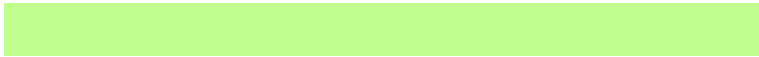
The Sweet Spot groups the original color and five complimentary colors.



57.7648, 81.5909, 70.4631



81.6350, 93.3446, 96.5121



62.3827, 84.6891, 38.2593



17.0325, 19.7614, 20.2289



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.



57.7648, 81.5909, 70.4631



52.9423, 79.2451, 63.9021



63.0036, 80.8201, 106.8869



18.1987, 20.3390, 21.3491



21.3587, 38.4401, 20.3061



2.1346, 3.7648, 2.2665



# Inverse Universe

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



60.1694, 44.0723, 54.6264



55.6415, 37.2547, 46.2167



56.4356, 43.9584, 30.7109



18.3403, 18.1194, 20.4091



23.1443, 11.7470, 9.4105

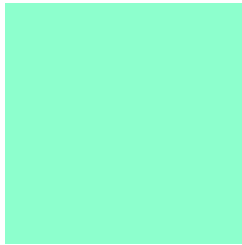


2.3073, 1.1653, 1.1994



# Previews

## White Background



This preview shows how the XYZ color 57.7640, 81.5905, 70.4617 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

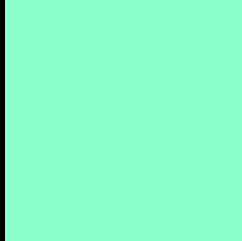
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.7640, 81.5905, 70.4617 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 57.7640, 81.5905, 70.4617**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.7640, 81.5905, 70.4617.



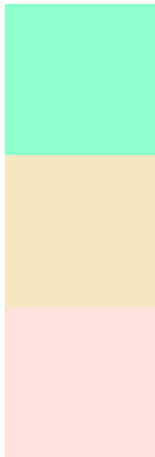
This preview shows how white text looks on a background with the XYZ color 57.7640, 81.5905,



# 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

57.7640, 81.5905, 70.4617

### Protanopia

75.8577, 80.4146, 61.9755

### Deuteranopia

80.9607, 80.6625, 76.9480



## Tritanopia

70.2956, 81.2891, 106.5931

# Trichromacy



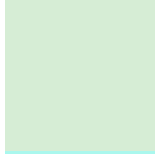
## Original Color

57.7640, 81.5905, 70.4617



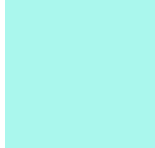
## Protanomaly

66.9703, 79.6168, 64.6612



## Deuteranomaly

70.0260, 79.6686, 74.6376



## Tritanomaly

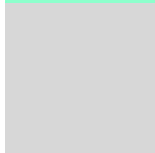
65.1244, 81.1820, 92.3580

# Monochromacy



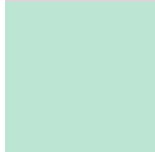
## Original Color

57.7640, 81.5905, 70.4617



## Achromatopsia

64.5905, 67.9542, 74.0022



## Achromatomaly

60.7937, 71.9881, 72.3189

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.7640, 81.5905, 70.4617 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(141, 255, 205)` looks like.

```
.text, #text, p{  
    color:rgb(141, 255, 205)  
}
```

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(141, 255, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 255, 205) }
```

## Border

The CSS property to change the border of an element to XYZ 57.7640, 81.5905, 70.4617 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(141, 255, 205) }
```



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

```
.border{ border-color:rgb(141, 255, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 255, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 255, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 255, 205);  
box-shadow:4px 4px 4px 4px rgb(141, 255,  
205) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.7640, 81.5905, 70.4617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 255, 205) }
```

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

```
.background{ background-color: rgb(141,  
255, 205) }
```

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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