

# Converting Colors

XYZ(93.9848, 150.6398,  
86.2553)

Have a look what the booklet for  
XYZ(93.9848, 150.6398, 86.2553)  
contains.

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# Color

**XYZ(60.0381, 82.6630,  
75.0786)**

# Conversions

## Conversions Part 1

Format	Color
Hex	95FFD4
RGB	149, 255, 212
RGB Percent	58%, 100%, 83%
CMY	0.4157, 0.0000, 0.1686
CMYK	0.42, 0.00, 0.17, 0.00
HSL	156°, 100%, 79%
HSV	156°, 42%, 100%
XYZ	60.0381, 82.6630, 75.0786
YIQ	218.4040, -49.3730, -35.8450

# Conversions

## Conversions Part 2

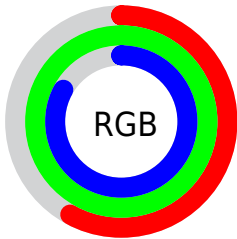
Format	Color
<a href="#">RYB</a>	<a href="#">149, 215, 255</a>
Decimal	<a href="#">9830356</a>
CIELab	<a href="#">92.87, -40.24, 11.01</a>
CIELCh	<a href="#">93, 41.723, 164.700</a>
Yxy	<a href="#">82.6630, 0.2757, 0.3796</a>
Android (android.graphics.Color)	<a href="#">4288020436 (0xFF95FFD4)</a>
YUV	<a href="#">218.4040, -3.1572, -60.8673</a>
Hunter-Lab	<a href="#">90.9192, -41.2369, 14.6834</a>

# Details

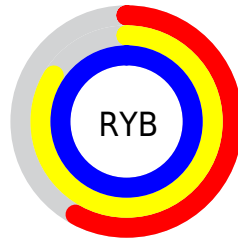
The XYZ color **60.0381, 82.6630, 75.0786** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **61.5025, 46.5617, 55.6155**, and the grayscale version is **66.9650, 70.4523, 76.7226**.

A 20% lighter version of the original color is **79.5421, 92.0054, 108.1742**, and **30.6935, 45.0978, 38.9853** is the 20% darker color. If you saturate the color by 10%, you get **54.6207, 80.0162, 68.2309**, and if you desaturate by 10%, it is **66.5591, 85.8691, 82.4171**.

# Distribution



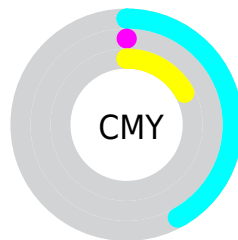
- Red (58%)
- Green (100%)
- Blue (83%)



- Red (58%)
- Yellow (84%)
- Blue (100%)



- Cyan (42%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)




- Cyan (42%)
- Magenta (0%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.0381, 82.6630, 75.0786 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 60.0381, 82.6630, 75.0786 by changing the saturation by 10% instead.





 60.0381, 82.6630,  
75.0786


 60.0381, 82.6630,  
75.0786


414.5707,  
503.8627, 497.4503

 43.6989, 61.9122,  
55.1752


 103.9910,  
137.1034, 128.1717

 30.6308, 44.9617,  
39.1424


 132.3354,  
171.5617, 162.1985

 20.4683, 31.4273,  
26.5619


165.4122,  
211.3580, 201.7702

 12.8461, 20.9244,  
17.0149

203.5869,  
256.8766, 247.3052

 7.3990, 13.0688,  
10.0831

247.2247,  
308.5020, 299.2222

 3.7614, 7.4759,  
5.3477

296.6910,

 1.5680, 3.7615,

366.6186, 357.9397

2.3904

352.3512,  
431.6107, 423.8762

■ 0.3714, 1.5411,  
0.7812

■ 0.0000, 0.3174,  
0.0000

■ 60.0381, 82.6630,  
75.0786

■ 60.0381, 82.6630,  
75.0786

■ 54.6207, 80.0162,  
68.2309

■ 66.5591, 85.8691,  
82.4171

■ 50.2359, 77.8923,  
61.8585

■ 74.2440, 89.6653,  
90.2531

■ 46.8075, 76.2521,  
55.9509

■ 83.1513, 94.0817,  
98.5984

■ 44.2475, 75.0504,  
50.4953

■ 93.3348, 99.1458,  
107.4628

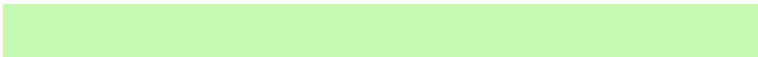
■ 42.4498, 74.2329, 95.0500, 100.0000,  
45.4780 108.9000

■ 41.3914, 73.7726,  
41.5746

# Harmonies

## Analogous

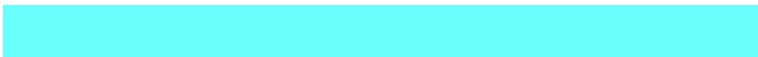
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.7301, 82.6630, 53.7287



60.0381, 82.6630, 75.0786



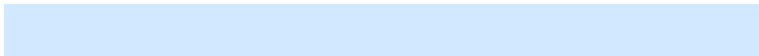
59.9906, 82.6630, 106.1116

# Triad

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



60.0381, 82.6630, 75.0786



84.0076, 82.6630, 161.4394



94.4267, 82.6630, 54.0448

# Complementary

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



60.0381, 82.6630, 75.0786



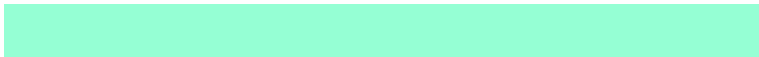
61.5025, 46.5617, 55.6155

# 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.



100.6337, 82.6630, 75.6185



60.0381, 82.6630, 75.0786



94.2512, 82.6630, 139.7647

# Square

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



60.0381, 82.6630, 75.0786



73.1672, 82.6630, 161.1991



100.5666, 82.6630, 106.7913

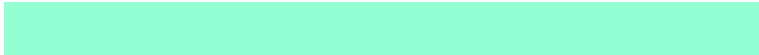


84.2297, 82.6630, 43.6381



# Rectangle

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



60.0381, 82.6630, 75.0786



62.5674, 82.6630, 128.6803



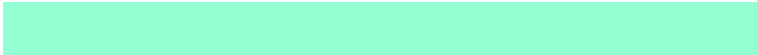
100.5666, 82.6630, 106.7913



97.0891, 82.6630, 59.9790

# Sweetspot

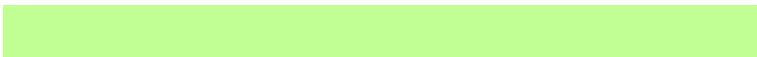
The Sweet Spot groups the original color and five complimentary colors.



60.0389, 82.6634, 75.0800



82.7399, 93.8774, 98.2267



63.2203, 85.0496, 41.5192



17.4470, 19.9632, 20.7856



0.0000, 0.0000, 0.0000

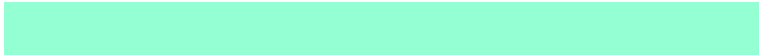


20.3446, 21.4041, 23.3091

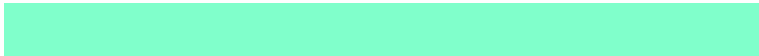


# Same Dimension

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



60.0389, 82.6634, 75.0800



55.3999, 80.3956, 69.2726



63.4515, 79.6230, 106.6323



18.2247, 20.3494, 21.4864



21.7038, 38.5781, 22.1234



2.1674, 3.7779, 2.4394



# Inverse Universe

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



61.5025, 46.5617, 55.6155



57.0531, 39.8318, 47.4462



58.8640, 47.8279, 34.5643



18.3148, 18.1092, 20.2746



22.9090, 11.6529, 8.1710

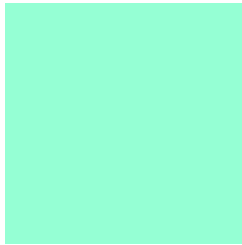


2.2830, 1.1556, 1.0718



# Previews

## White Background



This preview shows how the XYZ color 60.0381, 82.6630, 75.0786 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

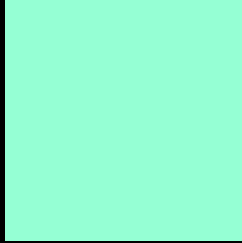
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.0381, 82.6630, 75.0786 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

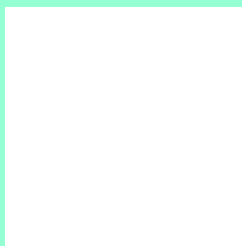
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 60.0381, 82.6630, 75.0786**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.0381, 82.6630, 75.0786.



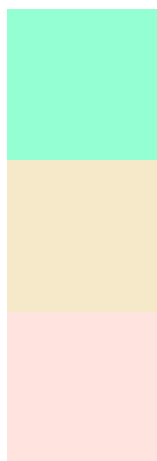
This preview shows how white text looks on a background with the XYZ color 60.0381, 82.6630,

75.0786.

# 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

60.0381, 82.6630, 75.0786

### Protanopia

77.3377, 81.9074, 66.9919

### Deuteranopia

81.8939, 81.4721, 80.5167



## Tritanopia

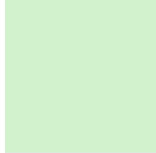
71.7944, 82.0617, 106.6633

# Trichromacy



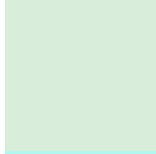
## Original Color

60.0381, 82.6630, 75.0786



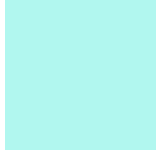
## Protanomaly

69.0531, 81.0200, 69.7565



## Deuteranomaly

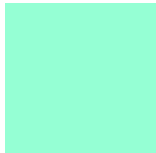
71.2580, 80.2293, 78.0598



## Tritanomaly

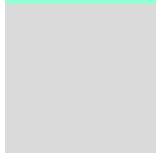
66.9722, 82.1006, 93.9786

# Monochromacy



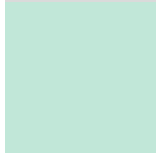
## Original Color

60.0381, 82.6630, 75.0786



## Achromatopsia

66.6397, 70.1102, 76.3500



## Achromatomaly

62.9629, 73.4472, 75.8240

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.0381, 82.6630, 75.0786 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(149, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(149, 255, 212)  
}
```

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(149, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 255, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 60.0381, 82.6630, 75.0786 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(149, 255, 212) }
```



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

```
.border{ border-color:rgb(149, 255, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 255, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(149, 255,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.0381, 82.6630, 75.0786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 255, 212) }
```

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

```
.background{ background-color: rgb(149,  
255, 212) }
```

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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