

# Converting Colors

XYZ(56.4252, 80.9911, 66.2974)

Have a look what the booklet for  
XYZ(56.4252, 80.9911, 66.2974)  
contains.

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# Color

**XYZ(56.4343, 81.0005,  
66.0863)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8AFFC6
RGB	138, 255, 198
RGB Percent	54%, 100%, 78%
CMY	0.4588, 0.0000, 0.2235
CMYK	0.46, 0.00, 0.22, 0.00
HSL	151°, 100%, 77%
HSV	151°, 46%, 100%
XYZ	56.4343, 81.0005, 66.0863
YIQ	213.5190, -51.4350, -42.5310

# Conversions

## Conversions Part 2

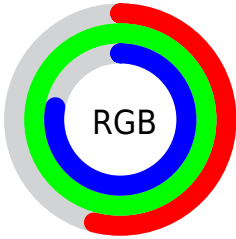
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">138, 215, 255</a>
Decimal	<a href="#">9109446</a>
CIELab	<a href="#">92.13, -45.84, 17.10</a>
CIELCh	<a href="#">92, 48.924, 159.543</a>
Yxy	<a href="#">81.0005, 0.2773, 0.3980</a>
Android (android.graphics.Color)	<a href="#">4287299526</a> ( <a href="#">0xFF8AFFC6</a> )
YUV	<a href="#">213.5190, -7.6509, -66.2302</a>
Hunter-Lab	<a href="#">90.0003, -45.5728, 19.4641</a>

# Details

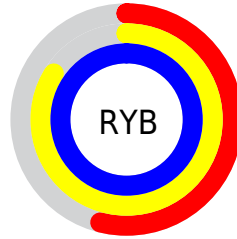
The XYZ color **56.4343, 81.0005, 66.0863** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **60.1793, 43.3780, 56.8312**, and the grayscale version is **63.6678, 66.9835, 72.9451**.

A 20% lighter version of the original color is **76.5750, 90.4758, 108.0354**, and **28.4526, 44.0640, 33.3912** is the 20% darker color. If you saturate the color by 10%, you get **51.3245, 78.5251, 58.6720**, and if you desaturate by 10%, it is **62.6534, 84.0341, 74.1688**.

# Distribution



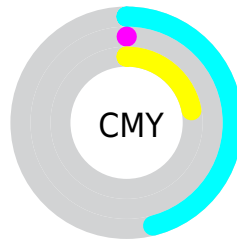
- Red (54%)
- Green (100%)
- Blue (78%)



- Red (54%)
- Yellow (84%)
- Blue (100%)



- Cyan (46%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)




- Cyan (46%)
- Magenta (0%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.4343, 81.0005, 66.0863 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 56.4343, 81.0005, 66.0863 by changing the saturation by 10% instead.





 56.4343, 81.0005,  
66.0863


 56.4343, 81.0005,  
66.0863


401.3747,  
498.2982, 465.0981

 40.7896, 60.5420,  
47.8855

 98.7754, 134.7715,  
115.2384

 28.3417, 43.8557,  
33.3769


 126.2025,  
168.8527, 147.0268

 18.7251, 30.5570,  
22.1419


158.2879,  
208.2437, 184.1814

 11.5747, 20.2618,  
13.7619

195.3967,  
253.3288, 227.1209

 6.5249, 12.5855,  
7.8184

237.8945,  
304.4924, 276.2638

 3.2105, 7.1437,  
3.8928


286.1465,


 1.2660, 3.5522,


362.1189, 332.0286

1.5667


340.5181,  
426.5927, 394.8339


 0.1576, 1.4263,  
0.2669


 0.0000, 0.2360,  
0.0000


 56.4343, 81.0005,  
66.0863


 56.4343, 81.0005,  
66.0863


 51.3245, 78.5251,  
58.6720


 62.6534, 84.0341,  
74.1688


 47.2487, 76.5696,  
51.9036

 70.0458, 87.6587,  
82.9326

 44.1251, 75.0919,  
45.7636

 78.6732, 91.9058,  
92.3957

 41.8576, 74.0431,  
40.2316

 88.5920, 96.8041,  
102.5739

■ 40.3275, 73.3622, 95.0500, 100.0000,  
35.2855 108.9000

■ 39.8412, 73.1525,  
33.4113

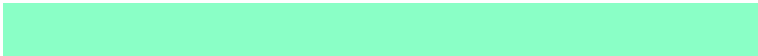
# Harmonies

## Analogous

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



62.5620, 81.0005, 44.7571



56.4343, 81.0005, 66.0863



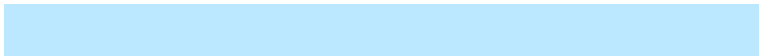
55.4696, 81.0005, 100.2149

# Triad

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



56.4343, 81.0005, 66.0863



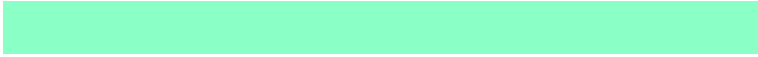
81.0782, 81.0005, 175.9160



97.2384, 81.0005, 50.9650

# Complementary

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



56.4343, 81.0005, 66.0863



60.1793, 43.3780, 56.8312

# 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.



103.4573, 81.0005, 77.1783



56.4343, 81.0005, 66.0863



93.4781, 81.0005, 153.3048

# Square

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



56.4343, 81.0005, 66.0863



68.8222, 81.0005, 170.5555



102.0107, 81.0005, 114.7567

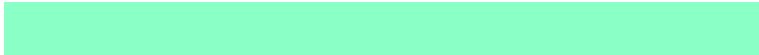


85.7766, 81.0005, 37.8257



# Rectangle

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



56.4343, 81.0005, 66.0863



57.7641, 81.0005, 127.0523



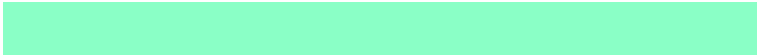
102.0107, 81.0005, 114.7567



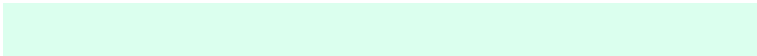
100.0652, 81.0005, 58.1989

# Sweetspot

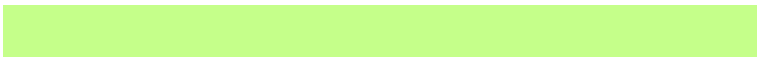
The Sweet Spot groups the original color and five complimentary colors.



56.4350, 81.0008, 66.0877



80.4388, 92.7767, 94.2553



63.2433, 85.1582, 37.1498



16.7846, 19.6446, 19.7184



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.



56.4350, 81.0008, 66.0877



51.7322, 78.7218, 59.2991



64.2917, 84.1435, 107.4605



18.1604, 20.3237, 21.1478



20.8937, 38.2541, 17.8572



2.0896, 3.7467, 2.0294



# Inverse Universe

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



60.1793, 43.3780, 56.8312



55.8974, 36.8866, 49.0150



54.9166, 41.2729, 29.1179



18.3781, 18.1346, 20.6085



23.5322, 11.9022, 11.4530

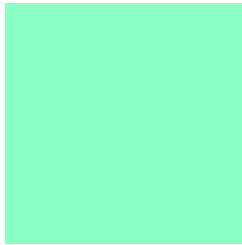


2.3462, 1.1809, 1.4046



# Previews

## White Background



This preview shows how the XYZ color 56.4343, 81.0005, 66.0863 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

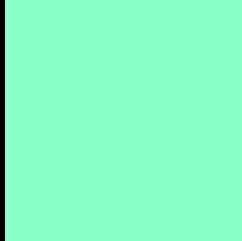
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.4343, 81.0005, 66.0863 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 56.4343, 81.0005, 66.0863**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.4343, 81.0005, 66.0863.



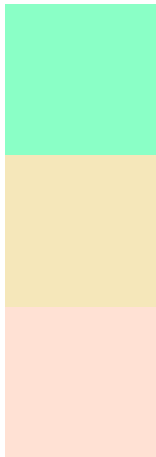
This preview shows how white text looks on a background with the XYZ color 56.4343, 81.0005,



# 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

56.4343, 81.0005, 66.0863

### Protanopia

75.0950, 80.1095, 57.9591

### Deuteranopia

80.0489, 79.8639, 73.4836



## Tritanopia

69.2725, 80.3209, 106.4602

# Trichromacy



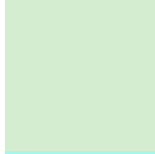
## Original Color

56.4343, 81.0005, 66.0863



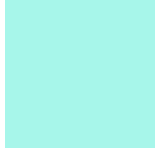
## Protanomaly

65.9080, 79.1597, 60.5208



## Deuteranomaly

68.4093, 78.4929, 70.5766



## Tritanomaly

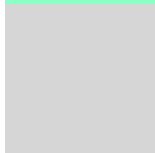
63.7434, 80.0675, 89.9369

# Monochromacy



## Original Color

56.4343, 81.0005, 66.0863



## Achromatopsia

63.9157, 67.2443, 73.2291



## Achromatomaly

59.6542, 71.0318, 70.2409

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.4343, 81.0005, 66.0863 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(138, 255, 198)` looks like.

```
.text, #text, p{  
    color:rgb(138, 255, 198)  
}
```

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(138, 255, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 255, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 56.4343, 81.0005, 66.0863 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(138, 255, 198) }
```



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

```
.border{ border-color:rgb(138, 255, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 255, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 255, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 255, 198);  
box-shadow:4px 4px 4px 4px rgb(138, 255,  
198) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.4343, 81.0005, 66.0863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 255, 198) }
```

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

```
.background{ background-color: rgb(138,  
255, 198) }
```

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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