

# Converting Colors

XYZ(58.5820, 80.5527, 60.0560)

Have a look what the booklet for  
XYZ(58.5820, 80.5527, 60.0560)  
contains.

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# Color

**XYZ(58.4746, 80.3066,  
59.9957)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A2FBBC
RGB	162, 251, 188
RGB Percent	64%, 98%, 74%
CMY	0.3647, 0.0157, 0.2627
CMYK	0.35, 0.00, 0.25, 0.02
HSL	138°, 92%, 81%
HSV	138°, 35%, 98%
XYZ	58.4746, 80.3066, 59.9957
YIQ	217.2070, -32.8210, -38.4610

# Conversions

## Conversions Part 2

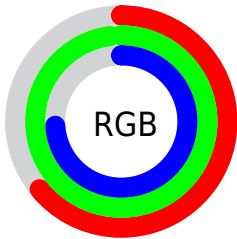
Format	Color
<a href="#">RYB</a>	<a href="#">162, 231, 251</a>
Decimal	<a href="#">10681276</a>
CIELab	<a href="#">91.82, -39.50, 21.94</a>
CIELCh	<a href="#">92, 45.181, 150.954</a>
Yxy	<a href="#">80.3066, 0.2942, 0.4040</a>
Android (android.graphics.Color)	<a href="#">4288871356 (0xFFA2FBBC)</a>
YUV	<a href="#">217.2070, -14.3991, -48.4165</a>
Hunter-Lab	<a href="#">89.6139, -40.3502, 23.0357</a>

# Details

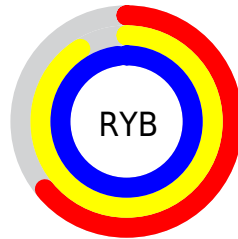
The XYZ color **58.4746, 80.3066, 59.9957** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **66.2973, 51.7880, 77.7393**, and the grayscale version is **66.2088, 69.6569, 75.8563**.

A 20% lighter version of the original color is **81.3026, 93.1117, 99.2752**, and **29.6583, 43.4306, 29.3740** is the 20% darker color. If you saturate the color by 10%, you get **52.0770, 77.2186, 50.3064**, and if you desaturate by 10%, it is **66.1300, 84.0202, 70.9783**.

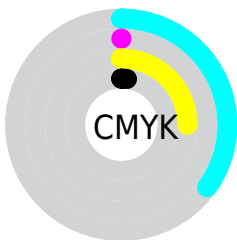
# Distribution



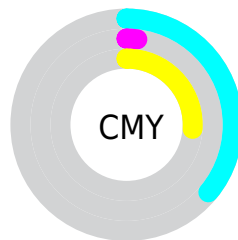
- Red (64%)
- Green (98%)
- Blue (74%)



- Red (64%)
- Yellow (91%)
- Blue (98%)



- Cyan (35%)
- Magenta (0%)
- Yellow (25%)
- Black (2%)




- Cyan (36%)
- Magenta (2%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.4746, 80.3066, 59.9957 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 58.4746, 80.3066, 59.9957 by changing the saturation by 10% instead.





 58.4746, 80.3066,  
59.9957


 58.4746, 80.3066,  
59.9957


408.8775,  
495.9655, 442.3861

 42.4351, 59.9707,  
42.9899


 101.7327,  
133.7967, 106.3667

 29.6347, 43.3950,  
29.5458


 129.6819,  
167.7197, 136.5691

 19.7082, 30.1952,  
19.2450


162.3317,  
206.9405, 172.0073

 12.2901, 19.9868,  
11.6688

200.0475,  
251.8435, 213.1000

 7.0152, 12.3854,  
6.3988

243.1947,  
302.8131, 260.2657

 3.5180, 7.0067,  
3.0164

292.1385,


 1.4333, 3.4663,


360.2337, 313.9229


1.1030

347.2443,  
424.4897, 374.4902


 0.2797, 1.3798,  
0.0000

 0.0000, 0.2017,  
0.0000


 58.4746, 80.3066,  
59.9957


 58.4746, 80.3066,  
59.9957

 52.0770, 77.2186,  
50.3064


 66.1300, 84.0202,  
70.9783

 46.8613, 74.7114,  
41.8573

 75.1006, 88.3814,  
83.2941

 42.7532, 72.7501,  
34.5993

 85.4481, 93.4234,  
96.9878

 39.6671, 71.2914,  
28.4781

 93.7887, 97.4774,  
108.4796

■ 37.5037, 70.2855,  
23.4350

■ 36.1421, 69.6713,  
19.4054

■ 35.7121, 69.4828,  
17.8894

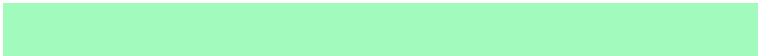
# Harmonies

## Analogous

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



65.4418, 80.3066, 43.3695



58.4746, 80.3066, 59.9957



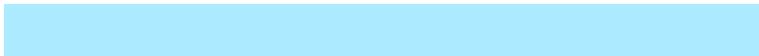
56.1642, 80.3066, 88.5065

# Triad

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



58.4746, 80.3066, 59.9957



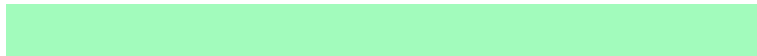
76.7004, 80.3066, 167.9317



97.0557, 80.3066, 58.5762

# Complementary

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



58.4746, 80.3066, 59.9957



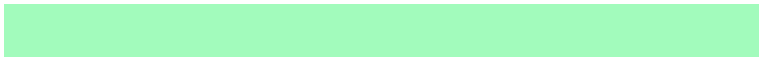
66.2973, 51.7880, 77.7393

# 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.



100.8209, 80.3066, 86.3826



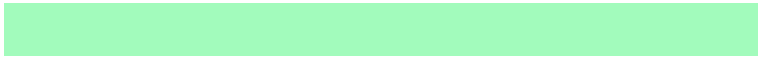
58.4746, 80.3066, 59.9957



88.3613, 80.3066, 154.3022

# Square

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



58.4746, 80.3066, 59.9957



66.0231, 80.3066, 155.8582



97.4915, 80.3066, 122.1896

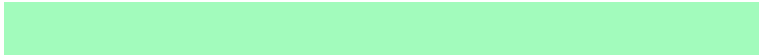


87.6552, 80.3066, 42.7075



# Rectangle

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



58.4746, 80.3066, 59.9957



57.3702, 80.3066, 112.2797



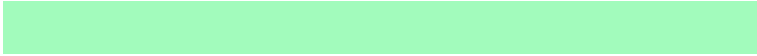
97.4915, 80.3066, 122.1896



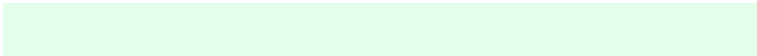
99.0626, 80.3066, 66.5643

# Sweetspot

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



58.4767, 80.3099, 59.9975



82.4390, 93.8493, 92.4762



72.3179, 87.7405, 47.3074



17.3391, 19.9384, 19.3867



0.0000, 0.0000, 0.0000

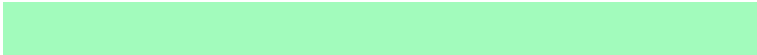


20.3446, 21.4041, 23.3091

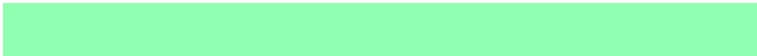


# Same Dimension

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



58.4767, 80.3099, 59.9975



55.4728, 80.7612, 54.4595



63.9253, 82.4893, 88.6891



17.2259, 19.3926, 19.3903



18.8257, 36.5433, 9.6914



1.7876, 3.4022, 1.1295



# Inverse Universe

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



66.2973, 51.7880, 77.7393



64.7340, 46.9439, 75.4388



61.0760, 49.6994, 50.2439



17.7643, 17.4331, 20.6144



25.1854, 12.4899, 23.4827

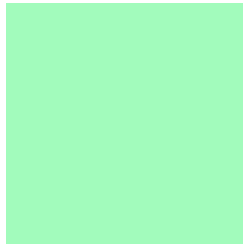


2.3788, 1.1752, 2.4180



# Previews

## White Background



This preview shows how the XYZ color 58.4746, 80.3066, 59.9957 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

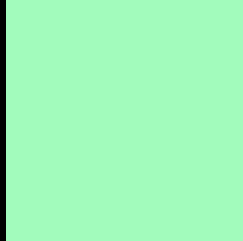
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.4746, 80.3066, 59.9957 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

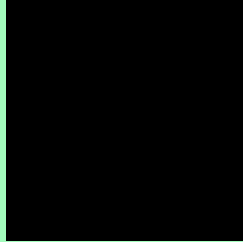
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 58.4746, 80.3066, 59.9957**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.4746, 80.3066, 59.9957.



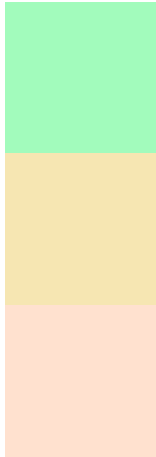
This preview shows how white text looks on a background with the XYZ color 58.4746, 80.3066,

59.9957.

# 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

58.4746, 80.3066, 59.9957

### Protanopia

74.3387, 79.4008, 53.5273

### Deuteranopia

79.4277, 79.6154, 70.2125



## Tritanopia

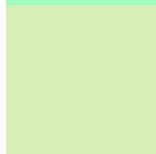
69.9028, 79.7718, 106.3210

# Trichromacy



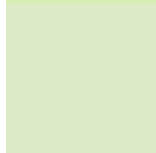
## Original Color

58.4746, 80.3066, 59.9957



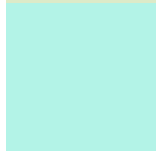
## Protanomaly

67.0424, 78.9735, 55.9659



## Deuteranomaly

69.6669, 78.3879, 66.1021



## Tritanomaly

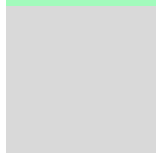
65.0648, 79.4544, 87.5083

# Monochromacy



## Original Color

58.4746, 80.3066, 59.9957



## Achromatopsia

65.9525, 69.3872, 75.5626



## Achromatomaly

62.1858, 72.3652, 69.0829

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.4746, 80.3066, 59.9957 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(162, 251, 188)` looks like.

```
.text, #text, p{  
    color:rgb(162, 251, 188)  
}
```

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(162, 251, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 251, 188) }
```

## Border

The CSS property to change the border of an element to XYZ 58.4746, 80.3066, 59.9957 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(162, 251, 188) }
```



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

```
.border{ border-color:rgb(162, 251, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 251, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 251, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 251, 188);  
box-shadow:4px 4px 4px 4px rgb(162, 251,  
188) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.4746, 80.3066, 59.9957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 251, 188) }
```

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

```
.background{ background-color: rgb(162,  
251, 188) }
```

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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