

Converting Colors

XYZ(57.8291, 81.8649, 59.5867)

Have a look what the booklet for
XYZ(57.8291, 81.8649, 59.5867)
contains.

XYZ(57.8665, 81.8802, 59.7683)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(57.8665, 81.8802,
59.7683)**

Conversions

Conversions Part 1

Format	Color
Hex	99FFBB
RGB	153, 255, 187
RGB Percent	60%, 100%, 73%
CMY	0.4000, 0.0000, 0.2667
CMYK	0.40, 0.00, 0.27, 0.00
HSL	140°, 100%, 80%
HSV	140°, 40%, 100%
XYZ	57.8665, 81.8802, 59.7683
YIQ	216.7500, -38.9640, -42.7720

Conversions

Conversions Part 2

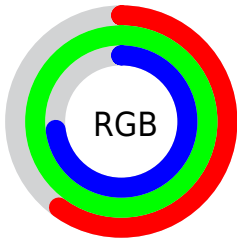
Format	Color
RYB	153, 230, 255
Decimal	10092475
CIELab	92.52, -43.99, 23.35
CIELCh	93, 49.807, 152.043
Yxy	81.8802, 0.2900, 0.4104
Android (android.graphics.Color)	4288282555 (0xFF99FFBB)
YUV	216.7500, -14.6668, -55.9088
Hunter-Lab	90.4877, -44.2034, 24.1796

Details

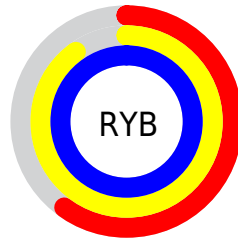
The XYZ color **57.8665, 81.8802, 59.7683** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **65.6826, 49.2635, 74.4531**, and the grayscale version is **65.8982, 69.3301, 75.5005**.

A 20% lighter version of the original color is **78.8016, 91.8399, 98.3676**, and **29.2516, 44.5684, 29.2511** is the 20% darker color. If you saturate the color by 10%, you get **51.8433, 78.9730, 50.5424**, and if you desaturate by 10%, it is **65.1348, 85.4042, 70.1797**.

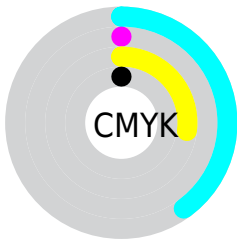
Distribution



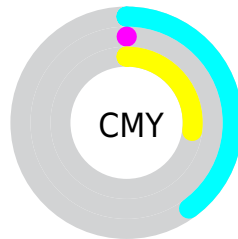
- Red (60%)
- Green (100%)
- Blue (73%)



- Red (60%)
- Yellow (90%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)



- Cyan (40%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.8665, 81.8802, 59.7683 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 57.8665, 81.8802, 59.7683 by changing the saturation by 10% instead.


 57.8665, 81.8802,
59.7683


 57.8665, 81.8802,
59.7683


406.6502,
501.2469, 441.5241

 41.9442, 61.2668,
42.8078

 100.8525,
136.0060, 106.0336

 29.2485, 44.4405,
29.4041


 128.6469,
170.2872, 136.1754

 19.4141, 31.0170,
19.1385


161.1294,
209.8930, 171.5482

 12.0757, 20.6118,
11.5926

198.6653,
255.2080, 212.5704

 6.8678, 12.8405,
6.3477

241.6199,
306.6165, 259.6605

 3.4252, 7.3188,
2.9855

290.3587,

 1.3824, 3.6623,

364.5029, 313.2372

1.0872

345.2470,
429.2515, 373.7188

■ 0.2436, 1.4865,
0.0000

■ 0.0000, 0.2792,
0.0000

■ 57.8665, 81.8802,
59.7683

■ 57.8665, 81.8802,
59.7683

■ 51.8433, 78.9730,
50.5424

■ 65.1348, 85.4042,
70.1797

■ 46.9897, 76.6449,
42.4556

■ 73.7137, 89.5782,
81.8130

■ 43.2247, 74.8548,
35.4640

■ 83.6663, 94.4338,
94.7079

■ 40.4553, 73.5558,
29.5194

95.0500, 100.0000,
108.9000

■ 38.5718, 72.6925,
24.5695

■ 37.3999, 72.1760,
20.5554

■ 37.3998, 72.1759,
20.5551

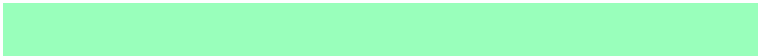
Harmonies

Analogous

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



65.3662, 81.8802, 41.3970



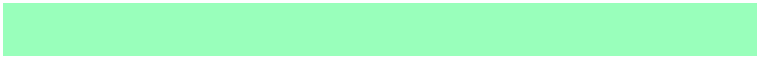
57.8665, 81.8802, 59.7683



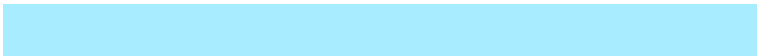
55.5306, 81.8802, 91.7162

Triad

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



57.8665, 81.8802, 59.7683



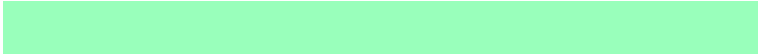
78.7144, 81.8802, 180.9114



100.8561, 81.8802, 56.4634

Complementary

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



57.8665, 81.8802, 59.7683



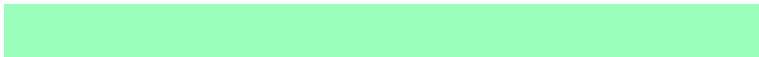
65.6826, 49.2635, 74.4531

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.



105.4061, 81.8802, 86.6392



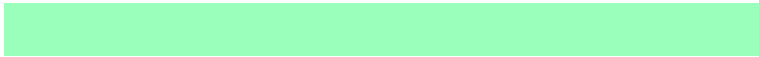
57.8665, 81.8802, 59.7683



91.7734, 81.8802, 164.1447

Square

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



57.8665, 81.8802, 59.7683



66.7424, 81.8802, 167.9874



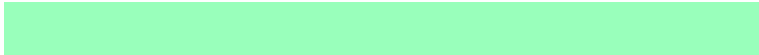
101.9134, 81.8802, 126.8695



90.0705, 81.8802, 39.8935

Rectangle

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



57.8665, 81.8802, 59.7683



56.9815, 81.8802, 118.6325



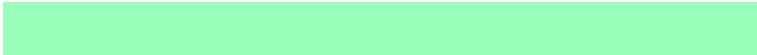
101.9134, 81.8802, 126.8695



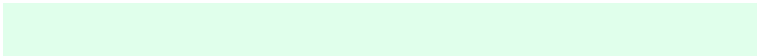
103.2162, 81.8802, 65.0137

Sweetspot

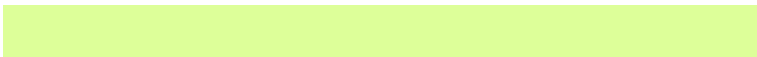
The Sweet Spot groups the original color and five complimentary colors.



57.8671, 81.8804, 59.7696



81.5623, 93.4064, 92.0253



71.3289, 89.1922, 43.5941



17.1702, 19.8525, 19.3283



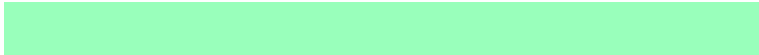
0.0000, 0.0000, 0.0000



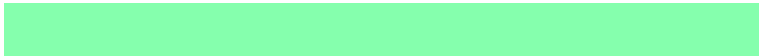
20.3446, 21.4041, 23.3091

Same Dimension

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



57.8671, 81.8804, 59.7696



52.9516, 79.5067, 52.2946



64.3299, 84.4655, 93.8021



18.0213, 20.2680, 20.4151



19.6037, 37.7381, 11.0646



1.9570, 3.6937, 1.3315

Inverse Universe

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



65.6826, 49.2635, 74.4531



61.7358, 42.7909, 68.7570



59.8873, 46.9454, 43.9359



18.5201, 18.1914, 21.3562



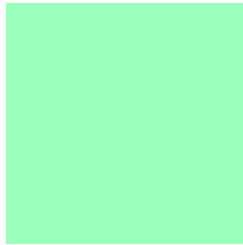
25.4121, 12.6541, 21.3523



2.5250, 1.2524, 2.3463

Previews

White Background



This preview shows how the XYZ color 57.8665, 81.8802, 59.7683 looks on a white background.

Color Contrast Check

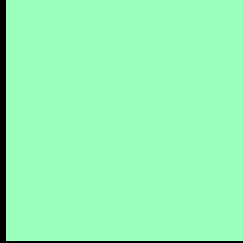
Large Text (above 18pt) WCAG AA × Fail

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 57.8665, 81.8802, 59.7683 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 57.8665, 81.8802, 59.7683

Background



This preview shows how black text looks on a background with the XYZ color 57.8665, 81.8802, 59.7683.

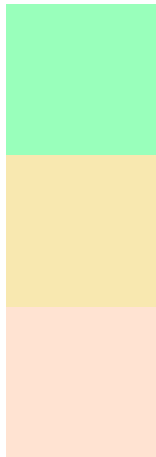


This preview shows how white text looks on a background with the XYZ color 57.8665, 81.8802,

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

57.8665, 81.8802, 59.7683

Protanopia

75.4045, 80.8043, 52.6968

Deuteranopia

80.3419, 80.8513, 72.3442



Tritanopia

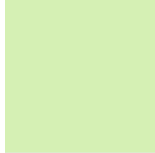
71.2435, 81.3371, 106.5524

Trichromacy



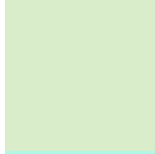
Original Color

57.8665, 81.8802, 59.7683



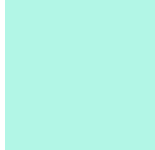
Protanomaly

66.8389, 79.7616, 55.0528



Deuteranomaly

69.8583, 79.7381, 67.5862



Tritanomaly

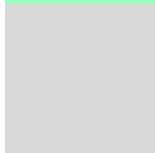
65.5988, 81.0897, 87.0574

Monochromacy



Original Color

57.8665, 81.8802, 59.7683



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

61.9646, 73.0774, 69.2320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.8665, 81.8802, 59.7683 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(153, 255, 187)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 187)  
}
```

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(153, 255, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 187) }
```

Border

The CSS property to change the border of an element to XYZ 57.8665, 81.8802, 59.7683 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(153, 255, 187) }
```


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

```
.border{ border-color:rgb(153, 255, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 255, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 187);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 57.8665, 81.8802, 59.7683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 187) }
```

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

```
.background{ background-color: rgb(153,  
255, 187) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor