

Converting Colors

XYZ(63.7895, 93.7144, 55.8787)

Have a look what the booklet for
XYZ(63.7895, 93.7144, 55.8787)
contains.

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Color

**XYZ(57.8945, 82.0255,
53.8554)**

Conversions

Conversions Part 1

Format	Color
Hex	9FFFB0
RGB	159, 255, 176
RGB Percent	62%, 100%, 69%
CMY	0.3765, 0.0000, 0.3098
CMYK	0.38, 0.00, 0.31, 0.00
HSL	131°, 100%, 81%
HSV	131°, 38%, 100%
XYZ	57.8945, 82.0255, 53.8554
YIQ	217.2900, -31.8570, -44.9210

Conversions

Conversions Part 2

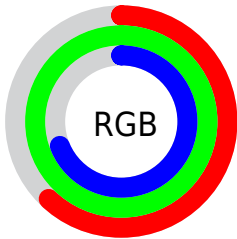
Format	Color
RYB	159, 241, 255
Decimal	10485680
CIELab	92.59, -44.20, 29.05
CIELCh	93, 52.893, 146.688
Yxy	82.0255, 0.2988, 0.4233
Android (android.graphics.Color)	4288675760 (0xFF9FFFB0)
YUV	217.2900, -20.3560, -51.1203
Hunter-Lab	90.5679, -44.3898, 28.1413

Details

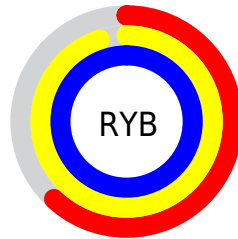
The XYZ color **57.8945, 82.0255, 53.8554** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **69.0708, 52.2297, 87.3290**, and the grayscale version is **66.3029, 69.7558, 75.9641**.

A 20% lighter version of the original color is **78.9408, 92.0979, 89.9600**, and **29.3628, 44.7018, 25.8196** is the 20% darker color. If you saturate the color by 10%, you get **51.4301, 78.9146, 43.5398**, and if you desaturate by 10%, it is **65.7240, 85.8030, 65.9128**.

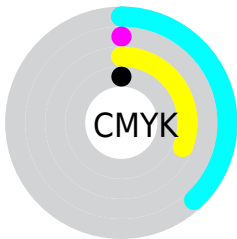
Distribution



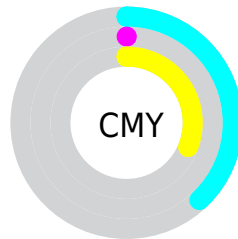
- Red (62%)
- Green (100%)
- Blue (69%)



- Red (62%)
- Yellow (95%)
- Blue (100%)



- Cyan (38%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (38%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.8945, 82.0255, 53.8554 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 57.8945, 82.0255, 53.8554 by changing the saturation by 10% instead.


 57.8945, 82.0255,
53.8554

 57.8945, 82.0255,
53.8554

406.7529,
501.7330, 418.7174

 41.9668, 61.3866,
38.0937


 100.8931,
136.2098, 97.3162

 29.2663, 44.5372,
25.7530


 128.6946,
170.5239, 125.8523

 19.4276, 31.0931,
16.4148


161.1848,
210.1651, 159.4836

 12.0855, 20.6697,
9.6607

198.7290,
255.5180, 198.6287

 6.8746, 12.8828,
5.0719

241.6925,
306.9668, 243.7061

 3.4294, 7.3479,
2.2300

290.4408,

 1.3847, 3.6806,

364.8960, 295.1343

0.6916

345.3391,
429.6899, 353.3319

■ 0.2453, 1.4966,
0.0000

■ 0.0000, 0.2863,
0.0000

■ 57.8945, 82.0255,
53.8554

■ 57.8945, 82.0255,
53.8554

■ 51.4301, 78.9146,
43.5398

■ 65.7240, 85.8030,
65.9128

■ 46.2500, 76.4304,
34.8817

■ 74.9897, 90.2822,
79.7832

■ 42.2669, 74.5298,
27.7956

■ 85.7600, 95.4969,
95.5388

■ 39.3821, 73.1638,
22.1868

95.0500, 100.0000,
108.9000

■ 37.4803, 72.2751,
17.9502

■ 36.4130, 71.7899,
14.9664

■ 36.2367, 71.7107,
14.4305

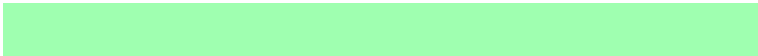
Harmonies

Analogous

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



66.6839, 82.0255, 37.3140



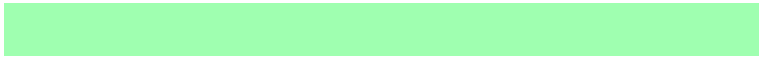
57.8945, 82.0255, 53.8554



54.4404, 82.0255, 85.0094

Triad

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



57.8945, 82.0255, 53.8554



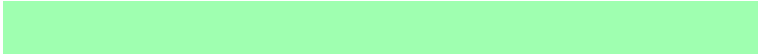
76.4456, 82.0255, 188.2028



104.0433, 82.0255, 59.4450

Complementary

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



57.8945, 82.0255, 53.8554



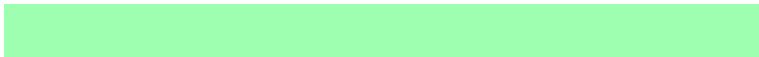
69.0708, 52.2297, 87.3290

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.



107.4393, 82.0255, 93.7571



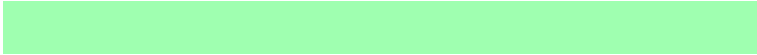
57.8945, 82.0255, 53.8554



90.4468, 82.0255, 175.4547

Square

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



57.8945, 82.0255, 53.8554



64.3289, 82.0255, 168.6836



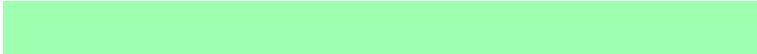
102.2032, 82.0255, 137.6695



93.3986, 82.0255, 39.8120

Rectangle

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



57.8945, 82.0255, 53.8554



55.2862, 82.0255, 112.8604



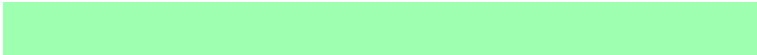
102.2032, 82.0255, 137.6695



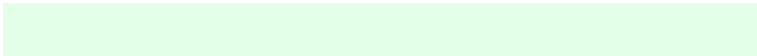
106.1208, 82.0255, 69.2903

Sweetspot

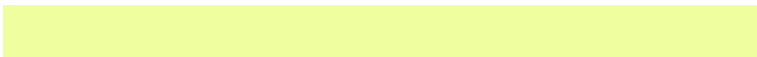
The Sweet Spot groups the original color and five complimentary colors.



57.8950, 82.0257, 53.8567



81.9766, 93.6643, 90.0410



77.6148, 92.3740, 46.5407



17.2295, 19.8946, 18.8099



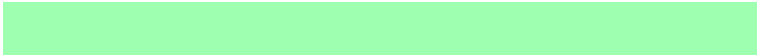
0.0000, 0.0000, 0.0000



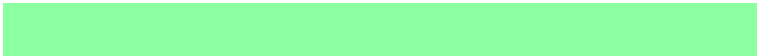
20.3446, 21.4041, 23.3091

Same Dimension

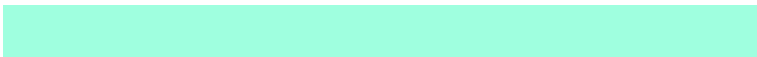
The Same Dimension uses a secret algorithm to generate beautiful new colors.



57.8950, 82.0257, 53.8567



53.0127, 79.6753, 46.1054



63.3777, 84.2188, 82.7278



17.9029, 20.2207, 19.7915



18.9722, 37.4855, 7.7390



1.8814, 3.6635, 0.9334

Inverse Universe

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



69.0708, 52.2297, 87.3290



65.6036, 46.0689, 83.7881



63.0424, 49.8183, 55.5839



18.6465, 18.2419, 22.0215



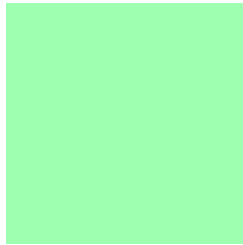
27.6671, 13.5561, 33.2271



2.7284, 1.3337, 3.4170

Previews

White Background



This preview shows how the XYZ color 57.8945, 82.0255, 53.8554 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 57.8945, 82.0255, 53.8554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

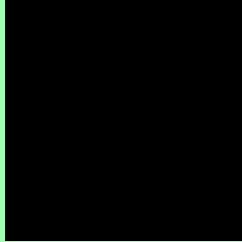
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

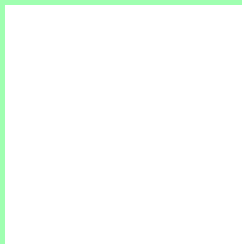
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 57.8945, 82.0255, 53.8554

Background



This preview shows how black text looks on a background with the XYZ color 57.8945, 82.0255, 53.8554.

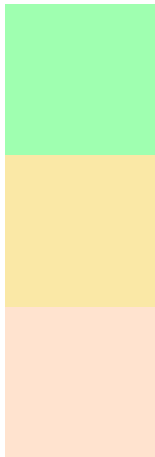


This preview shows how white text looks on a background with the XYZ color 57.8945, 82.0255,

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

57.8945, 82.0255, 53.8554

Protanopia

75.1639, 80.7904, 47.7089

Deuteranopia

79.9716, 80.7032, 70.3938



Tritanopia

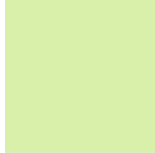
72.0110, 81.7327, 106.5883

Trichromacy



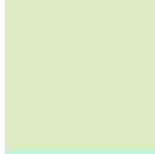
Original Color

57.8945, 82.0255, 53.8554



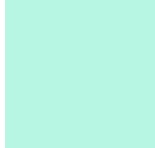
Protanomaly

67.0311, 79.9742, 49.9339



Deuteranomaly

69.7632, 79.7695, 63.9447



Tritanomaly

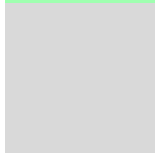
65.9746, 81.3476, 84.1759

Monochromacy



Original Color

57.8945, 82.0255, 53.8554



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

62.0015, 73.1519, 66.7290

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.8945, 82.0255, 53.8554 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(159, 255, 176)` looks like.

```
.text, #text, p{  
    color:rgb(159, 255, 176)  
}
```

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(159, 255, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 255, 176) }
```

Border

The CSS property to change the border of an element to XYZ 57.8945, 82.0255, 53.8554 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(159, 255, 176) }
```


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

```
.border{ border-color:rgb(159, 255, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 255, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 255, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 255, 176);  
box-shadow:4px 4px 4px 4px rgb(159, 255,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 57.8945, 82.0255, 53.8554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 255, 176) }
```

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

```
.background{ background-color: rgb(159,  
255, 176) }
```

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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