

Converting Colors

XYZ(58.0723, 82.1945, 50.3701)

Have a look what the booklet for
XYZ(58.0723, 82.1945, 50.3701)
contains.

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Color

**XYZ(58.0257, 82.1711,
50.3385)**

Conversions

Conversions Part 1

Format	Color
Hex	A3FFA9
RGB	163, 255, 169
RGB Percent	64%, 100%, 66%
CMY	0.3608, 0.0000, 0.3372
CMYK	0.36, 0.00, 0.34, 0.00
HSL	124°, 100%, 82%
HSV	124°, 36%, 100%
XYZ	58.0257, 82.1711, 50.3385
YIQ	217.6880, -27.2260, -46.2500

Conversions

Conversions Part 2

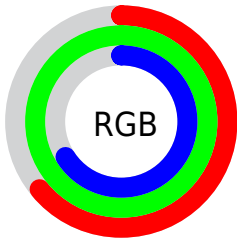
Format	Color
RYB	163, 249, 255
Decimal	10747817
CIELab	92.65, -44.16, 32.68
CIELCh	93, 54.937, 143.496
Yxy	82.1711, 0.3045, 0.4313
Android (android.graphics.Color)	4288937897 (0xFFA3FFA9)
YUV	217.6880, -24.0032, -47.9614
Hunter-Lab	90.6483, -44.3732, 30.5291

Details

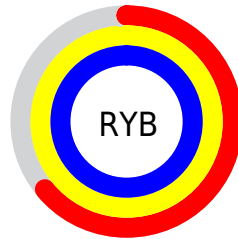
The XYZ color **58.0257, 82.1711, 50.3385** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **71.4361, 54.2943, 96.3361**, and the grayscale version is **66.5989, 70.0672, 76.3032**.

A 20% lighter version of the original color is **79.1694, 92.3284, 84.8827**, and **29.4099, 44.7749, 23.6154** is the 20% darker color. If you saturate the color by 10%, you get **51.2826, 78.9303, 39.3875**, and if you desaturate by 10%, it is **66.2305, 86.1182, 63.4899**.

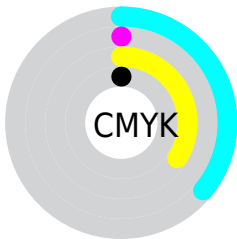
Distribution



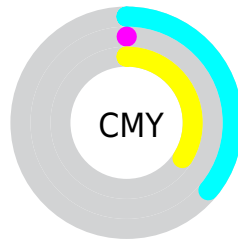
- Red (64%)
- Green (100%)
- Blue (66%)



- Red (64%)
- Yellow (98%)
- Blue (100%)



- Cyan (36%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)




- Cyan (36%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.0257, 82.1711, 50.3385 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 58.0257, 82.1711, 50.3385 by changing the saturation by 10% instead.


 58.0257, 82.1711,
50.3385


 58.0257, 82.1711,
50.3385


407.2340,
502.2198, 404.7611

 42.0727, 61.5066,
35.3094


 101.0830,
136.4139, 92.0777

 29.3495, 44.6341,
23.6158


 128.9180,
170.7610, 119.6248

 19.4910, 31.1693,
14.8393

161.4444,
210.4377, 152.1817

 12.1317, 20.7278,
8.5613

199.0275,
255.8285, 190.1668

 6.9063, 12.9252,
4.3633

242.0326,
307.3177, 233.9988

 3.4494, 7.3771,
1.8267


290.8252,


 1.3956, 3.6990,


365.2897, 284.0962


0.4455


345.7705,
430.1290, 340.8774


 0.2531, 1.5067,
0.0000


 0.0000, 0.2934,
0.0000


 58.0257, 82.1711,
50.3385


 58.0257, 82.1711,
50.3385


 51.2826, 78.9303,
39.3875


 66.2305, 86.1182,
63.4899

 45.9137, 76.3534,
30.5131

 75.9742, 90.8092,
78.9484

 41.8248, 74.3946,
23.5854

 87.3305, 96.2799,
96.8187

 38.9090, 73.0019,
18.4581

95.0500, 100.0000,
108.9000

■ 37.0421, 72.1149,
14.9645

■ 36.0715, 71.6590,
12.9067

■ 35.8583, 71.5593,
12.4379

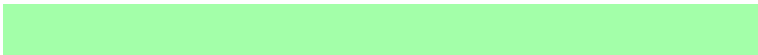
Harmonies

Analogous

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



67.6475, 82.1711, 34.9560



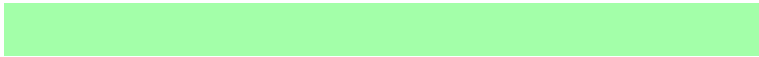
58.0257, 82.1711, 50.3385



53.8519, 82.1711, 80.8475

Triad

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



58.0257, 82.1711, 50.3385



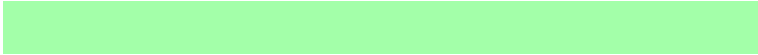
75.0292, 82.1711, 192.6815



106.1164, 82.1711, 61.6134

Complementary

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



58.0257, 82.1711, 50.3385



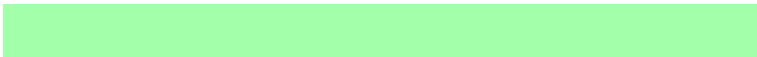
71.4361, 54.2943, 96.3361

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.



108.7161, 82.1711, 98.6855



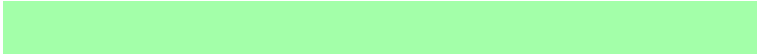
58.0257, 82.1711, 50.3385



89.5798, 82.1711, 182.8152

Square

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



58.0257, 82.1711, 50.3385



62.8653, 82.1711, 168.8314



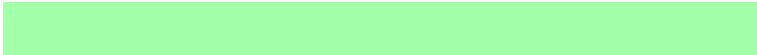
102.3431, 82.1711, 144.9403



95.6189, 82.1711, 39.9406

Rectangle

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



58.0257, 82.1711, 50.3385



54.3076, 82.1711, 109.1276



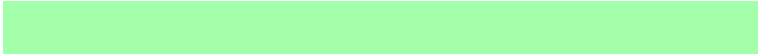
102.3431, 82.1711, 144.9403



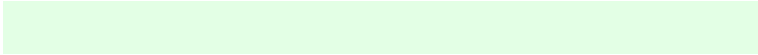
107.9919, 82.1711, 72.3279

Sweetspot

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



58.0262, 82.1713, 50.3398



81.5349, 93.4876, 87.7152



81.9388, 94.5624, 48.5847



17.1252, 19.8529, 18.2604



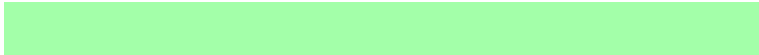
0.0000, 0.0000, 0.0000



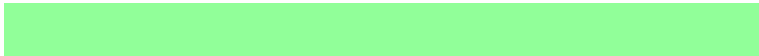
20.3446, 21.4041, 23.3091

Same Dimension

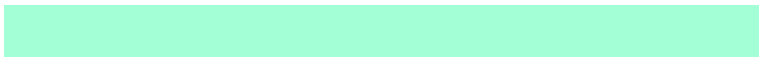
The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.0262, 82.1713, 50.3398



53.2076, 79.8551, 42.5314



62.9512, 84.1413, 76.2742



17.8196, 20.1874, 19.3531



18.7547, 37.3985, 6.5934



1.8421, 3.6478, 0.7264

Inverse Universe

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



71.4361, 54.2943, 96.3361



68.3385, 48.3858, 94.4202



65.2846, 51.8337, 63.9431



18.7385, 18.2787, 22.5060



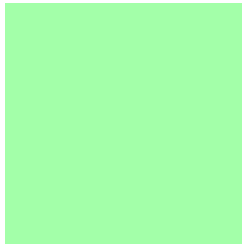
29.6626, 14.3543, 43.7354



2.9030, 1.4036, 4.3365

Previews

White Background



This preview shows how the XYZ color 58.0257, 82.1711, 50.3385 looks on a white background.

Color Contrast Check

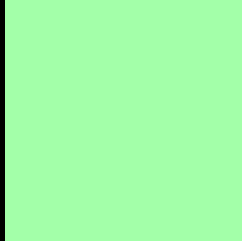
Large Text (above 18pt) WCAG AA × Fail

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 58.0257, 82.1711, 50.3385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

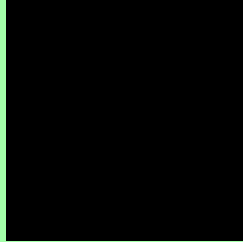
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.0257, 82.1711, 50.3385

Background



This preview shows how black text looks on a background with the XYZ color 58.0257, 82.1711, 50.3385.

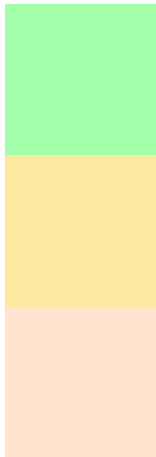


This preview shows how white text looks on a background with the XYZ color 58.0257, 82.1711,

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

58.0257, 82.1711, 50.3385

Protanopia

75.6290, 81.5113, 45.0049

Deuteranopia

80.1240, 81.2030, 69.8433



Tritanopia

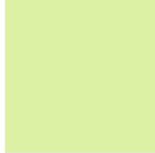
72.2360, 81.4105, 106.5143

Trichromacy



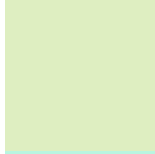
Original Color

58.0257, 82.1711, 50.3385



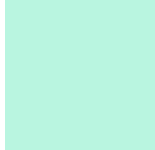
Protanomaly

67.5814, 80.7706, 46.6787



Deuteranomaly

70.3244, 80.5289, 62.2892



Tritanomaly

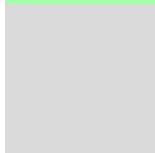
66.1145, 81.0009, 82.6711

Monochromacy



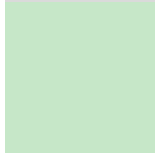
Original Color

58.0257, 82.1711, 50.3385



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

62.2899, 73.3277, 65.5142

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.0257, 82.1711, 50.3385 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(163, 255, 169)` looks like.

```
.text, #text, p{  
    color:rgb(163, 255, 169)  
}
```

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(163, 255, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 255, 169) }
```

Border

The CSS property to change the border of an element to XYZ 58.0257, 82.1711, 50.3385 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(163, 255, 169) }
```


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

```
.border{ border-color:rgb(163, 255, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 255, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 255, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 255, 169);  
box-shadow:4px 4px 4px 4px rgb(163, 255,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 58.0257, 82.1711, 50.3385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 255, 169) }
```

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

```
.background{ background-color: rgb(163,  
255, 169) }
```

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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