

Converting Colors

XYZ(86.3916, 138.7594,
51.5426)

Have a look what the booklet for
XYZ(86.3916, 138.7594, 51.5426)
contains.

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Color

**XYZ(58.1405, 82.4123,
42.1210)**

Conversions

Conversions Part 1

Format	Color
Hex	ABFF97
RGB	171, 255, 151
RGB Percent	67%, 100%, 59%
CMY	0.3294, 0.0000, 0.4078
CMYK	0.33, 0.00, 0.41, 0.00
HSL	108°, 100%, 80%
HSV	108°, 41%, 100%
XYZ	58.1405, 82.4123, 42.1210
YIQ	218.0280, -16.6800, -50.1520

Conversions

Conversions Part 2

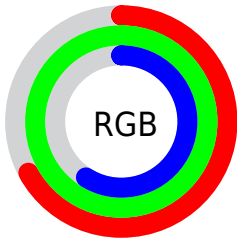
Format	Color
RYB	151, 255, 235
Decimal	11272087
CIELab	92.76, -44.34, 41.78
CIELCh	93, 60.924, 136.699
Yxy	82.4123, 0.3183, 0.4511
Android (android.graphics.Color)	4289462167 (0xFFABFF97)
YUV	218.0280, -33.0448, -41.2436
Hunter-Lab	90.7812, -44.5475, 36.0373

Details

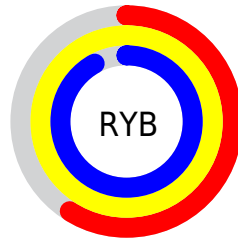
The XYZ color **58.1405, 82.4123, 42.1210** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **63.3788, 47.0167, 100.3424**, and the grayscale version is **66.8885, 70.3719, 76.6350**.

A 20% lighter version of the original color is **79.2137, 92.6342, 72.0977**, and **29.4689, 44.9148, 18.6715** is the 20% darker color. If you saturate the color by 10%, you get **52.1461, 79.5360, 32.1745**, and if you desaturate by 10%, it is **65.2827, 85.8285, 54.4615**.

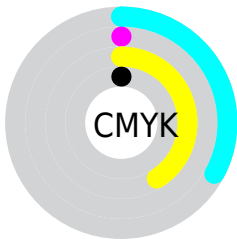
Distribution



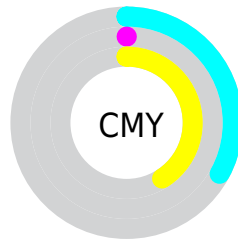
- Red (67%)
- Green (100%)
- Blue (59%)



- Red (59%)
- Yellow (100%)
- Blue (92%)



- Cyan (33%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)




- Cyan (33%)
- Magenta (0%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.1405, 82.4123, 42.1210 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 58.1405, 82.4123, 42.1210 by changing the saturation by 10% instead.


 58.1405, 82.4123,
42.1210


 58.1405, 82.4123,
42.1210


407.6547,
503.0258, 370.7987

 42.1653, 61.7054,
28.8698


 101.2492,
136.7520, 79.6548

 29.4224, 44.7947,
18.7376


 129.1135,
171.1537, 104.7744

 19.5465, 31.2958,
11.3059


161.6714,
210.8891, 134.6873

 12.1722, 20.8242,
6.1563

199.2885,
256.3426, 169.8119

 6.9341, 12.9955,
2.8700

242.3300,
307.8986, 210.5668

 3.4669, 7.4255,
1.0286


291.1613,


 1.4052, 3.7296,

365.9416, 257.3706

0.0000


346.1477,
430.8558, 310.6417


 0.2599, 1.5235,
0.0000


 0.0000, 0.3052,
0.0000


 58.1405, 82.4123,
42.1210


 58.1405, 82.4123,
42.1210


 52.1461, 79.5360,
32.1745


 65.2827, 85.8285,
54.4615


 47.2368, 77.1708,
24.4631

 73.6283, 89.8103,
69.3334

 43.3457, 75.2858,
18.8148

 83.2305, 94.3822,
86.8684

 40.3974, 73.8466,
15.0307

 94.1391, 99.5674,
107.1877

■ 38.3049, 72.8135, 95.0500, 100.0000,
12.8728 108.9000

■ 37.0283, 72.1738,
11.9794

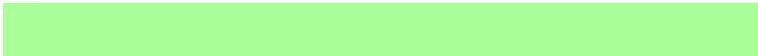
Harmonies

Analogous

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



69.8786, 82.4123, 29.3241



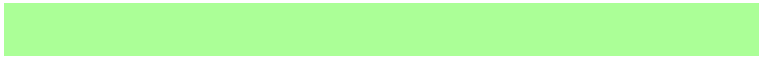
58.1405, 82.4123, 42.1210



52.2101, 82.4123, 71.0769

Triad

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



58.1405, 82.4123, 42.1210



71.5121, 82.4123, 204.6011



111.3749, 82.4123, 66.8741

Complementary

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



58.1405, 82.4123, 42.1210



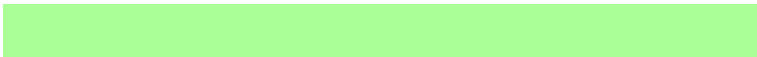
63.3788, 47.0167, 100.3424

Split Complementary

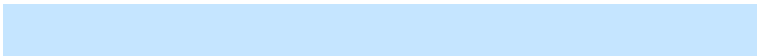
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



111.9686, 82.4123, 111.3974



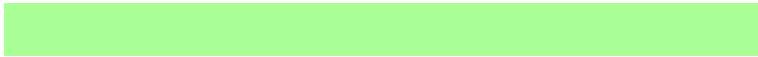
58.1405, 82.4123, 42.1210



87.4376, 82.4123, 202.2846

Square

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



58.1405, 82.4123, 42.1210



59.1965, 82.4123, 169.6232



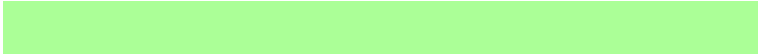
102.7246, 82.4123, 164.0784



101.1981, 82.4123, 39.9447

Rectangle

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



58.1405, 82.4123, 42.1210



51.7455, 82.4123, 100.3274



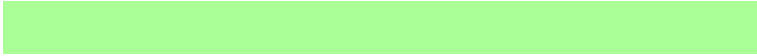
102.7246, 82.4123, 164.0784



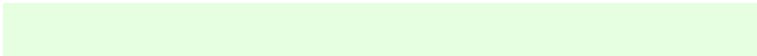
112.7454, 82.4123, 79.9119

Sweetspot

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



58.1409, 82.4125, 42.1223



81.9933, 93.7936, 84.5882



76.3061, 82.4544, 41.1729



17.2702, 19.9426, 17.5912



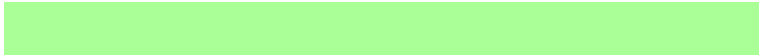
0.0000, 0.0000, 0.0000



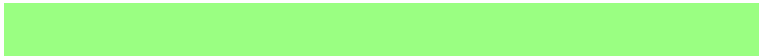
20.3446, 21.4041, 23.3091

Same Dimension

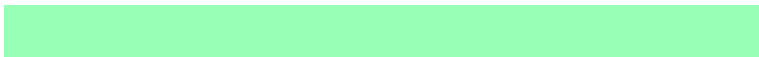
The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.1409, 82.4125, 42.1223



53.1337, 80.0106, 33.7799



56.9874, 81.4854, 57.0902



18.0975, 20.3362, 19.1158



19.4403, 37.7599, 6.2638



1.9746, 3.7187, 0.6137

Inverse Universe

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



63.3788, 47.0167, 100.3424



58.9856, 40.1830, 99.2550



65.7346, 48.7652, 76.3275



18.4302, 18.1135, 22.7748



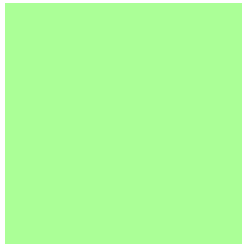
22.8484, 10.6893, 50.2936



2.3084, 1.0840, 4.9008

Previews

White Background



This preview shows how the XYZ color 58.1405, 82.4123, 42.1210 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 58.1405, 82.4123, 42.1210 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

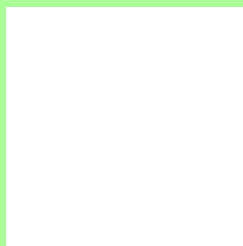
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.1405, 82.4123, 42.1210

Background



This preview shows how black text looks on a background with the XYZ color 58.1405, 82.4123, 42.1210.

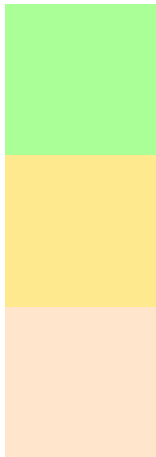


This preview shows how white text looks on a background with the XYZ color 58.1405, 82.4123,

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

58.1405, 82.4123, 42.1210

Protanopia

75.3368, 81.5210, 37.7510

Deuteranopia

80.1584, 81.6583, 68.6636



Tritanopia

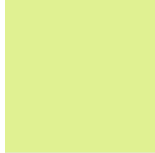
73.2975, 81.9577, 106.5640

Trichromacy



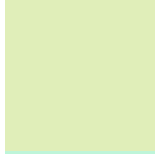
Original Color

58.1405, 82.4123, 42.1210



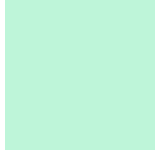
Protanomaly

67.3841, 80.8332, 39.2450



Deuteranomaly

70.0720, 80.4991, 57.7436



Tritanomaly

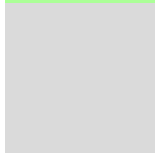
66.4120, 81.2617, 77.8304

Monochromacy



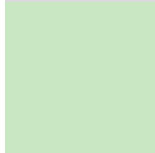
Original Color

58.1405, 82.4123, 42.1210



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

62.4009, 73.4644, 61.9301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.1405, 82.4123, 42.1210 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(171, 255, 151)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 151)  
}
```

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(171, 255, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 151) }
```

Border

The CSS property to change the border of an element to XYZ 58.1405, 82.4123, 42.1210 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(171, 255, 151) }
```


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

```
.border{ border-color:rgb(171, 255, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 255, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 255, 151); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 255, 151); box-shadow:4px 4px 4px 4px rgb(171, 255, 151) }
```

Background

The CSS property to change the background color of an element to XYZ 58.1405, 82.4123, 42.1210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 255, 151) }
```

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

```
.background{ background-color: rgb(171,  
255, 151) }
```

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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