

Converting Colors

XYZ(58.6293, 82.6453, 42.9991)

Have a look what the booklet for
XYZ(58.6293, 82.6453, 42.9991)
contains.

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Color

**XYZ(58.5230, 82.5906,
42.9941)**

Conversions

Conversions Part 1

Format	Color
Hex	ACFF99
RGB	172, 255, 153
RGB Percent	67%, 100%, 60%
CMY	0.3255, 0.0000, 0.4000
CMYK	0.33, 0.00, 0.40, 0.00
HSL	109°, 100%, 80%
HSV	109°, 40%, 100%
XYZ	58.5230, 82.5906, 42.9941
YIQ	218.5550, -16.7260, -49.3180

Conversions

Conversions Part 2

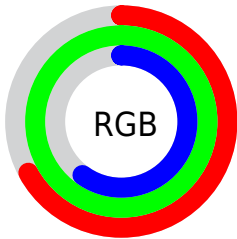
Format	Color
RYB	153, 255, 236
Decimal	11337625
CIELab	92.83, -43.75, 40.92
CIELCh	93, 59.901, 136.913
Yxy	82.5906, 0.3179, 0.4486
Android (android.graphics.Color)	4289527705 (0xFFACFF99)
YUV	218.5550, -32.3186, -40.8287
Hunter-Lab	90.8794, -44.0914, 35.5661

Details

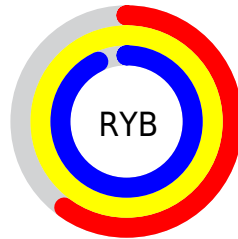
The XYZ color **58.5230, 82.5906, 42.9941** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **64.0346, 47.8367, 100.4662**, and the grayscale version is **67.2482, 70.7504, 77.0472**.

A 20% lighter version of the original color is **79.7783, 92.8971, 73.4007**, and **29.6968, 45.0213, 19.1814** is the 20% darker color. If you saturate the color by 10%, you get **52.4326, 79.6687, 32.8651**, and if you desaturate by 10%, it is **65.7754, 86.0593, 55.5291**.

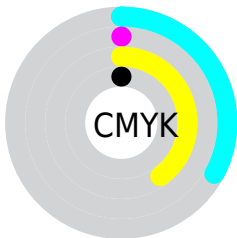
Distribution



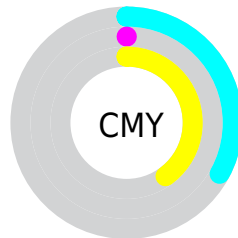
- Red (67%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (93%)



- Cyan (33%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.5230, 82.5906, 42.9941 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 58.5230, 82.5906, 42.9941 by changing the saturation by 10% instead.


 58.5230, 82.5906,
42.9941

 58.5230, 82.5906,
42.9941


409.0545,
503.6211, 374.5080

 42.4741, 61.8525,
29.5491


 101.8027,
137.0019, 80.9882

 29.6655, 44.9135,
19.2475


 129.7642,
171.4439, 106.3744

 19.7316, 31.3893,
11.6706


162.4273,
211.2226, 136.5781

 12.3072, 20.8955,
6.4000

200.1574,
256.7225, 172.0179

 7.0270, 13.0476,
3.0171

243.3198,
308.3278, 213.1122

 3.5254, 7.4613,
1.1034

292.2799,

 1.4373, 3.7523,

366.4231, 260.2796

0.0000

347.4030,
431.3928, 313.9387

■ 0.2826, 1.5360,
0.0000

■ 0.0000, 0.3138,
0.0000

■ 58.5230, 82.5906,
42.9941

■ 58.5230, 82.5906,
42.9941

■ 52.4326, 79.6687,
32.8651

■ 65.7754, 86.0593,
55.5291

■ 47.4412, 77.2648,
24.9843

■ 74.2457, 90.1010,
70.6066

■ 43.4813, 75.3477,
19.1814

■ 83.9876, 94.7404,
88.3575

■ 40.4773, 73.8828,
15.2597

95.0500, 100.0000,
108.9000

■ 38.3422, 72.8303,
12.9852

■ 36.9554, 72.1362,
11.9760

■ 36.9553, 72.1362,
11.9759

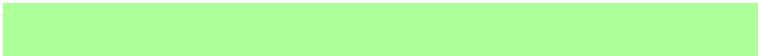
Harmonies

Analogous

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



70.0726, 82.5906, 30.1349



58.5230, 82.5906, 42.9941



52.7021, 82.5906, 71.8029

Triad

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



58.5230, 82.5906, 42.9941



71.8861, 82.5906, 202.5955



110.9276, 82.5906, 67.1275

Complementary

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



58.5230, 82.5906, 42.9941



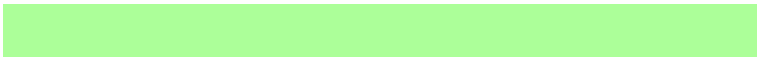
64.0346, 47.8367, 100.4662

Split Complementary

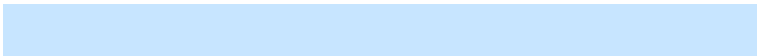
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



111.5833, 82.5906, 110.8702



58.5230, 82.5906, 42.9941



87.5772, 82.5906, 200.0484

Square

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



58.5230, 82.5906, 42.9941



59.6982, 82.5906, 168.6248



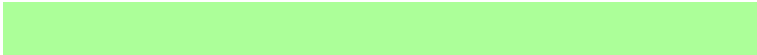
102.5727, 82.5906, 162.5167



100.8850, 82.5906, 40.5555

Rectangle

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



58.5230, 82.5906, 42.9941



52.2721, 82.5906, 100.6966



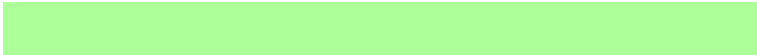
102.5727, 82.5906, 162.5167



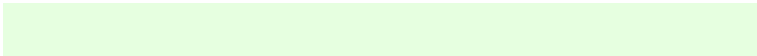
112.2958, 82.5906, 79.9543

Sweetspot

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



58.5234, 82.5907, 42.9954



81.9339, 93.7630, 84.5855



76.5841, 82.7482, 42.0738



17.2564, 19.9354, 17.5906



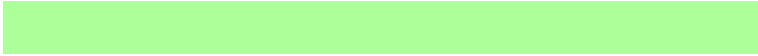
0.0000, 0.0000, 0.0000



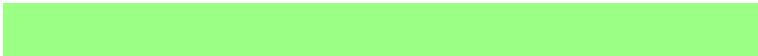
20.3446, 21.4041, 23.3091

Same Dimension

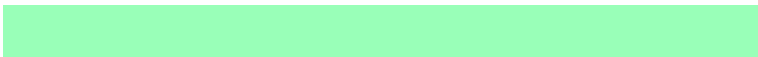
The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.5234, 82.5907, 42.9954



53.5601, 80.2104, 34.7049



57.5075, 81.7366, 57.8748



18.0871, 20.3308, 19.1153



19.3998, 37.7390, 6.2619



1.9692, 3.7159, 0.6135

Inverse Universe

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



64.0346, 47.8367, 100.4662



59.7273, 41.0754, 99.3881



66.1407, 49.4470, 76.8646



18.4414, 18.1193, 22.7754



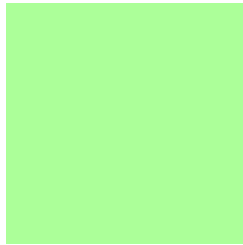
23.0700, 10.8035, 50.3039



2.3281, 1.0941, 4.9018

Previews

White Background



This preview shows how the XYZ color 58.5230, 82.5906, 42.9941 looks on a white background.

Color Contrast Check

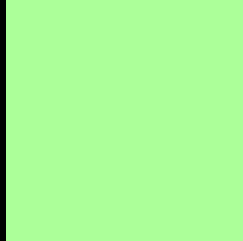
Large Text (above 18pt) WCAG AA × Fail

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 58.5230, 82.5906, 42.9941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

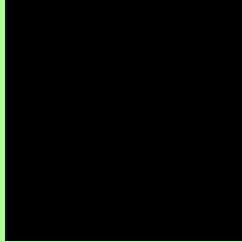
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

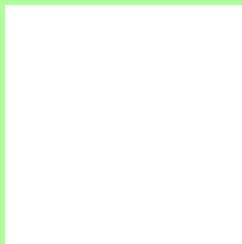
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.5230, 82.5906, 42.9941

Background



This preview shows how black text looks on a background with the XYZ color 58.5230, 82.5906, 42.9941.



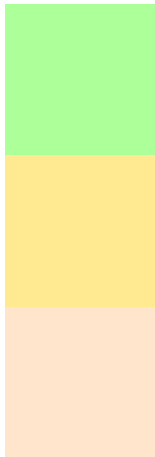
This preview shows how white text looks on a background with the XYZ color 58.5230, 82.5906,

42.9941.

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

58.5230, 82.5906, 42.9941

Protanopia

75.4897, 81.5822, 38.5563

Deuteranopia

80.1584, 81.6583, 68.6636



Tritanopia

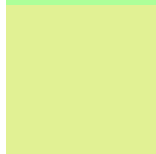
73.5672, 82.0967, 106.5766

Trichromacy



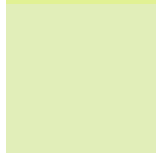
Original Color

58.5230, 82.5906, 42.9941



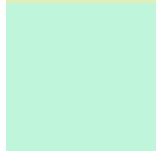
Protanomaly

67.8519, 81.0563, 40.0862



Deuteranomaly

70.3828, 80.6594, 57.7582



Tritanomaly

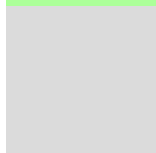
66.7932, 81.4431, 78.5294

Monochromacy



Original Color

58.5230, 82.5906, 42.9941



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

63.0641, 74.2099, 62.6299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.5230, 82.5906, 42.9941 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(172, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(172, 255, 153)  
}
```

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(172, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 255, 153) }
```

Border

The CSS property to change the border of an element to XYZ 58.5230, 82.5906, 42.9941 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(172, 255, 153) }
```


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

```
.border{ border-color:rgb(172, 255, 153) }
```

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

Here you see how a box with a 4 pixel rgb(172, 255, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(172, 255,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 58.5230, 82.5906, 42.9941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 255, 153) }
```

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

```
.background{ background-color: rgb(172,  
255, 153) }
```

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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