

Converting Colors

XYZ(85.6886, 130.7727,
52.7540)

Have a look what the booklet for
XYZ(85.6886, 130.7727, 52.7540)
contains.

XYZ(62.5848, 84.6457, 44.9380)	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(62.5848, 84.6457,
44.9380)**

Conversions

Conversions Part 1

Format	Color
Hex	BCFF9D
RGB	188, 255, 157
RGB Percent	74%, 100%, 62%
CMY	0.2627, 0.0000, 0.3843
CMYK	0.26, 0.00, 0.38, 0.00
HSL	101°, 100%, 81%
HSV	101°, 38%, 100%
XYZ	62.5848, 84.6457, 44.9380
YIQ	223.7950, -8.4740, -44.6820

Conversions

Conversions Part 2

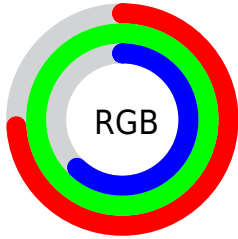
Format	Color
RYB	157, 255, 224
Decimal	12386205
CIELab	93.73, -37.98, 40.28
CIELCh	94, 55.367, 133.317
Yxy	84.6457, 0.3257, 0.4405
Android (android.graphics.Color)	4290576285 (0xFFBCFF9D)
YUV	223.7950, -32.9299, -31.3922
Hunter-Lab	92.0031, -39.5814, 35.4426

Details

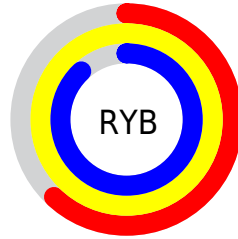
The XYZ color **62.5848, 84.6457, 44.9380** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **60.8487, 47.1826, 100.5078**, and the grayscale version is **70.9367, 74.6310, 81.2731**.

A 20% lighter version of the original color is **85.7763, 95.9169, 76.9437**, and **32.2085, 46.2932, 20.3346** is the 20% darker color. If you saturate the color by 10%, you get **56.5912, 81.7817, 34.4546**, and if you desaturate by 10%, it is **69.5524, 87.9592, 57.8410**.

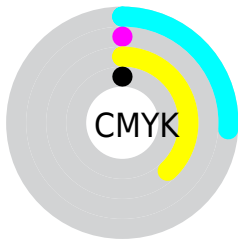
Distribution



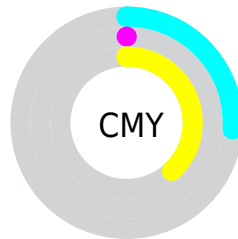
- Red (74%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (88%)



- Cyan (26%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)





- Cyan (26%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.5848, 84.6457, 44.9380 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 62.5848, 84.6457, 44.9380 by changing the saturation by 10% instead.


 62.5848, 84.6457,
44.9380


 62.5848, 84.6457,
44.9380


423.7447,
510.4550, 382.6752

 45.7628, 63.5487,
31.0660


 107.6555,
139.8781, 83.9448

 32.2625, 46.2852,
20.3902


 136.6348,
174.7822, 109.9167

 21.7186, 32.4710,
12.4921


170.3973,
215.0575, 140.7590

 13.7657, 21.7215,
6.9532

209.3084,
261.0883, 176.8903

 8.0385, 13.6524,
3.3548

253.7333,
313.2591, 218.7289

 4.1716, 7.8793,
1.2785

304.0374,

 1.7997, 4.0178,

371.9542, 266.6936

0.0441

360.5861,
437.5580, 321.2029

■ 0.5175, 1.6835,
0.0000

■ 0.0000, 0.4130,
0.0000

■ 62.5848, 84.6457,
44.9380

■ 62.5848, 84.6457,
44.9380

■ 56.5912, 81.7817,
34.4546

■ 69.5524, 87.9592,
57.8410

■ 51.5235, 79.3458,
26.2362

■ 77.5364, 91.7413,
73.2976

■ 47.3310, 77.3156,
20.1160

■ 86.5780, 96.0103,
91.4367

■ 43.9568, 75.6659,
15.9030

95.0500, 100.0000,
108.9000

■ 41.3358, 74.3681,
13.3711

■ 39.3842, 73.3858,
12.2041

■ 39.1242, 73.2543,
12.0774

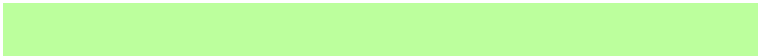
Harmonies

Analogous

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



74.1189, 84.6457, 33.7190



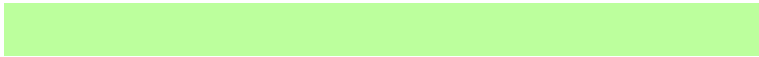
62.5848, 84.6457, 44.9380



56.3099, 84.6457, 70.8328

Triad

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



62.5848, 84.6457, 44.9380



72.6119, 84.6457, 193.4362



111.1983, 84.6457, 74.7540

Complementary

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



62.5848, 84.6457, 44.9380



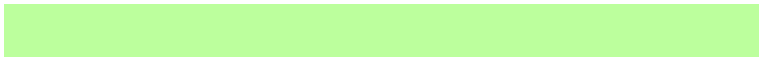
60.8487, 47.1826, 100.5078

Split Complementary

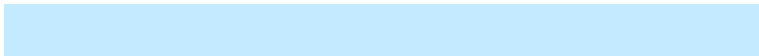
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



110.6663, 84.6457, 117.3997



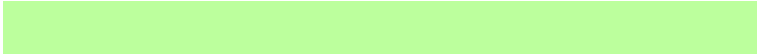
62.5848, 84.6457, 44.9380



87.1385, 84.6457, 195.4592

Square

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



62.5848, 84.6457, 44.9380



61.5977, 84.6457, 159.5687



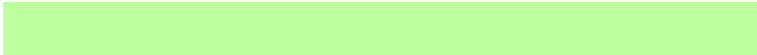
101.4349, 84.6457, 164.4624



102.8103, 84.6457, 47.0517

Rectangle

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



62.5848, 84.6457, 44.9380



55.4145, 84.6457, 96.9271



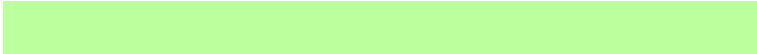
101.4349, 84.6457, 164.4624



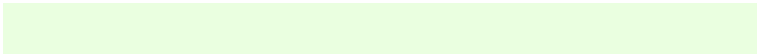
112.0847, 84.6457, 87.5610

Sweetspot

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



62.5852, 84.6458, 44.9393



83.2265, 94.4294, 84.6460



73.9730, 76.9883, 42.8610



17.5588, 20.0913, 17.6047



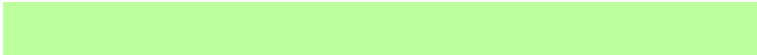
0.0000, 0.0000, 0.0000



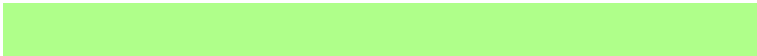
20.3446, 21.4041, 23.3091

Same Dimension

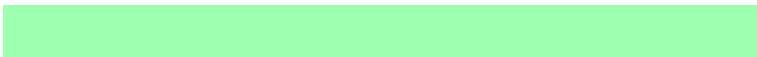
The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.5852, 84.6458, 44.9393



57.9608, 82.4375, 36.7882



57.4000, 81.7823, 53.3018



18.3122, 20.4469, 19.1258



20.5789, 38.3469, 6.3171



2.1112, 3.7891, 0.6201

Inverse Universe

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



60.8487, 47.1826, 100.5078



55.9781, 40.2005, 99.4168



68.5885, 51.4913, 86.4705



18.2011, 17.9954, 22.7641



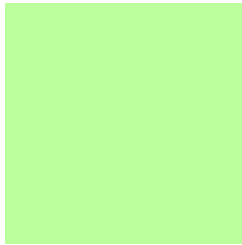
18.7538, 8.5784, 50.1019



1.9393, 0.8937, 4.8836

Previews

White Background



This preview shows how the XYZ color 62.5848, 84.6457, 44.9380 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 62.5848, 84.6457, 44.9380 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

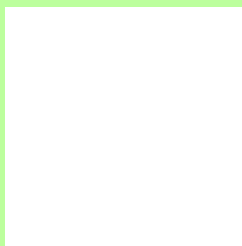
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 62.5848, 84.6457, 44.9380

Background



This preview shows how black text looks on a background with the XYZ color 62.5848, 84.6457, 44.9380.



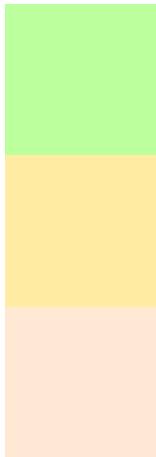
This preview shows how white text looks on a background with the XYZ color 62.5848, 84.6457,

44.9380.

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

62.5848, 84.6457, 44.9380

Protanopia

77.7570, 83.8595, 46.2707

Deuteranopia

81.9803, 83.7267, 74.1274



Tritanopia

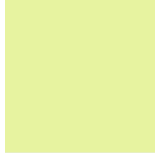
77.2369, 84.4267, 106.8329

Trichromacy



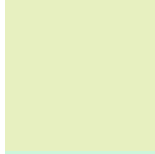
Original Color

62.5848, 84.6457, 44.9380



Protanomaly

71.3508, 83.6282, 45.6390



Deuteranomaly

73.6295, 83.1149, 62.0313



Tritanomaly

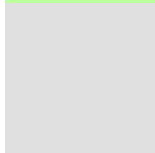
70.9188, 84.0051, 79.4946

Monochromacy



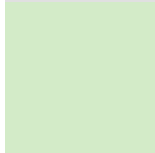
Original Color

62.5848, 84.6457, 44.9380



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

66.9976, 77.4357, 66.0590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.5848, 84.6457, 44.9380 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(188, 255, 157)` looks like.

```
.text, #text, p{  
    color:rgb(188, 255, 157)  
}
```

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(188, 255, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 255, 157) }
```

Border

The CSS property to change the border of an element to XYZ 62.5848, 84.6457, 44.9380 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(188, 255, 157) }
```


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

```
.border{ border-color:rgb(188, 255, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 255, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 255, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 255, 157);  
box-shadow:4px 4px 4px 4px rgb(188, 255,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 62.5848, 84.6457, 44.9380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 255, 157) }
```

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

```
.background{ background-color: rgb(188,  
255, 157) }
```

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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