

Converting Colors

XYZ(63.3344, 84.8792, 51.8796)

Have a look what the booklet for
XYZ(63.3344, 84.8792, 51.8796)
contains.

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Color

**XYZ(63.4561, 84.9377,
52.0798)**

Conversions

Conversions Part 1

Format	Color
Hex	BAFFAC
RGB	186, 255, 172
RGB Percent	73%, 100%, 67%
CMY	0.2706, 0.0000, 0.3255
CMYK	0.27, 0.00, 0.33, 0.00
HSL	110°, 100%, 84%
HSV	110°, 33%, 100%
XYZ	63.4561, 84.9377, 52.0798
YIQ	224.9070, -14.4810, -40.4410

Conversions

Conversions Part 2

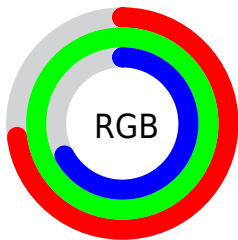
Format	Color
RYB	172, 255, 241
Decimal	12255148
CIELab	93.86, -36.52, 33.00
CIElCh	94, 49.217, 137.900
Yxy	84.9377, 0.3165, 0.4237
Android (android.graphics.Color)	4290445228 (0xFFBAFFAC)
YUV	224.9070, -26.0832, -34.1214
Hunter-Lab	92.1617, -38.3802, 31.0089

Details

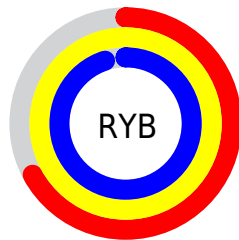
The XYZ color **63.4561, 84.9377, 52.0798** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **69.0791, 55.4270, 101.6654**, and the grayscale version is **71.6898, 75.4232, 82.1359**.

A 20% lighter version of the original color is **87.0718, 96.3545, 87.4079**, and **32.8839, 46.5454, 24.7038** is the 20% darker color. If you saturate the color by 10%, you get **56.4633, 81.5891, 40.1718**, and if you desaturate by 10%, it is **71.6838, 88.8685, 66.5009**.

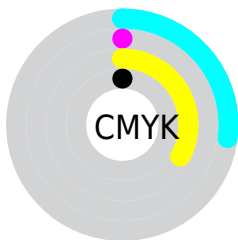
Distribution



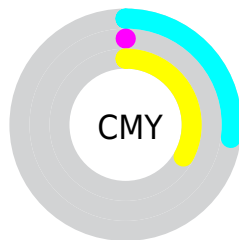
- Red (73%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (95%)



- Cyan (27%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)



- Cyan (27%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.4561, 84.9377, 52.0798 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 63.4561, 84.9377, 52.0798 by changing the saturation by 10% instead.


 63.4561, 84.9377,
52.0798

 63.4561, 84.9377,
52.0798

426.8563,
511.4219, 411.7103

 46.4703, 63.7899,
36.6860


 108.9054,
140.2861, 94.6767

 32.8233, 46.4805,
24.6706


138.0996,
175.2556, 122.7169

 22.1497, 32.6252,
15.6150


172.0940,
215.6010, 155.8096

 14.0842, 21.8395,
9.1008

211.2539,
261.7068, 194.3734

 8.2613, 13.7390,
4.7092

255.9448,
313.9574, 238.8269

 4.3158, 7.9394,
2.0220

306.5319,

 1.8823, 4.0562,

372.7372, 289.5885

0.5687

363.3806,
438.4306, 347.0768

■ 0.5665, 1.7050,
0.0000

■ 0.0000, 0.4269,
0.0000

■ 63.4561, 84.9377,
52.0798

■ 63.4561, 84.9377,
52.0798

■ 56.4633, 81.5891,
40.1718

■ 71.6838, 88.8685,
66.5009

■ 50.6436, 78.7941,
30.6295

■ 81.2013, 93.4072,
83.5634

■ 45.9318, 76.5225,
23.2961

■ 92.0619, 98.5784,
103.3915

■ 42.2553, 74.7407,
17.9941

95.0500, 100.0000,
108.9000

■ 39.5328, 73.4114,
14.5189

■ 37.6697, 72.4909,
12.6230

■ 36.7566, 72.0338,
11.9666

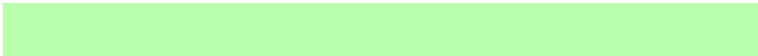
Harmonies

Analogous

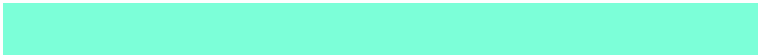
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.2381, 84.9377, 39.4435



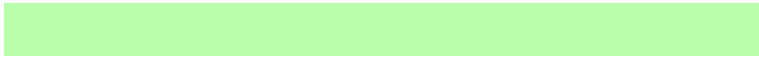
63.4561, 84.9377, 52.0798



58.5334, 84.9377, 78.1785

Triad

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



63.4561, 84.9377, 52.0798



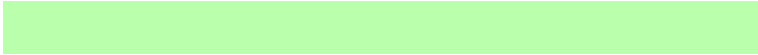
75.5681, 84.9377, 182.4033



107.1331, 84.9377, 72.0465

Complementary

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



63.4561, 84.9377, 52.0798



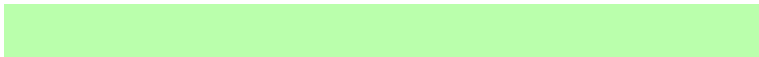
69.0791, 55.4270, 101.6654

Split Complementary

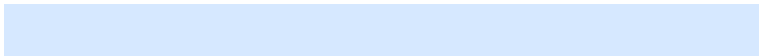
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



107.9312, 84.9377, 108.4332



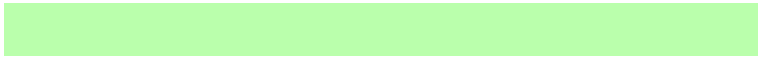
63.4561, 84.9377, 52.0798



88.7178, 84.9377, 179.4500

Square

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



63.4561, 84.9377, 52.0798



65.0025, 84.9377, 156.9516



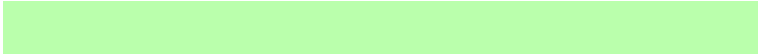
100.8863, 84.9377, 149.7263



98.8110, 84.9377, 48.6408

Rectangle

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



63.4561, 84.9377, 52.0798



58.2752, 84.9377, 102.7499



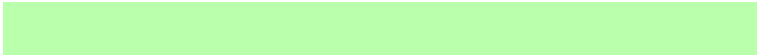
100.8863, 84.9377, 149.7263



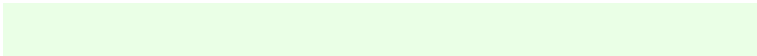
108.3204, 84.9377, 82.9234

Sweetspot

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



63.4565, 84.9379, 52.0811



83.8391, 94.6639, 88.3485



79.7831, 86.4316, 51.5089



17.6313, 20.1125, 18.3405



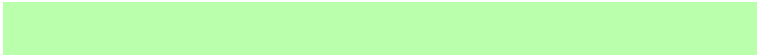
0.0000, 0.0000, 0.0000



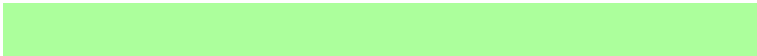
20.3446, 21.4041, 23.3091

Same Dimension

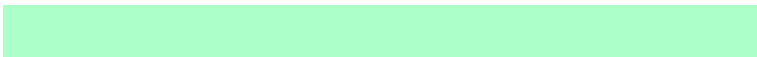
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.4565, 84.9379, 52.0811



58.8070, 82.7124, 44.1187



62.9998, 84.3813, 66.5654



18.0570, 20.3153, 19.1139



19.2890, 37.6819, 6.2567



1.9541, 3.7081, 0.6127

Inverse Universe

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



69.0791, 55.4270, 101.6654



65.1991, 49.0626, 100.6414



70.0964, 56.4073, 81.1153



18.4743, 18.1362, 22.7769



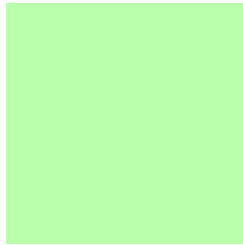
23.7283, 11.1429, 50.3348



2.3864, 1.1242, 4.9045

Previews

White Background



This preview shows how the XYZ color 63.4561, 84.9377, 52.0798 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 63.4561, 84.9377, 52.0798 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

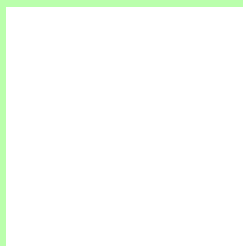
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.4561, 84.9377, 52.0798

Background



This preview shows how black text looks on a background with the XYZ color 63.4561, 84.9377, 52.0798.



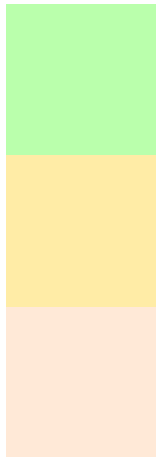
This preview shows how white text looks on a background with the XYZ color 63.4561, 84.9377,

52.0798.

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

63.4561, 84.9377, 52.0798

Protanopia

78.1184, 84.0041, 48.1735

Deuteranopia

82.6447, 84.4441, 76.2335



Tritanopia

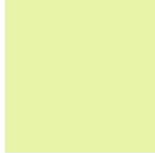
76.9459, 84.2767, 106.8193

Trichromacy



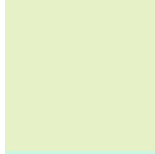
Original Color

63.4561, 84.9377, 52.0798



Protanomaly

71.7516, 83.7513, 49.4297



Deuteranomaly

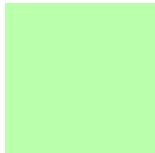
74.3972, 83.8571, 66.2977



Tritanomaly

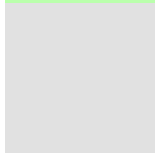
71.1750, 84.0443, 83.7050

Monochromacy



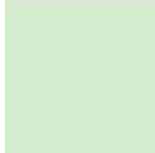
Original Color

63.4561, 84.9377, 52.0798



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

68.0000, 78.2960, 69.9212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4561, 84.9377, 52.0798 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(186, 255, 172)` looks like.

```
.text, #text, p{  
    color:rgb(186, 255, 172)  
}
```

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(186, 255, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 255, 172) }
```

Border

The CSS property to change the border of an element to XYZ 63.4561, 84.9377, 52.0798 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(186, 255, 172) }
```


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

```
.border{ border-color:rgb(186, 255, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 255, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 255, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 255, 172);  
box-shadow:4px 4px 4px 4px rgb(186, 255,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4561, 84.9377, 52.0798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 255, 172) }
```

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

```
.background{ background-color: rgb(186,  
255, 172) }
```

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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