

Converting Colors

XYZ(70.6788, 100.0000,
47.5878)

Have a look what the booklet for
XYZ(70.6788, 100.0000, 47.5878)
contains.

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Color

**XYZ(63.0810, 84.9015,
44.9612)**

Conversions

Conversions Part 1

Format	Color
Hex	BEFF9D
RGB	190, 255, 157
RGB Percent	75%, 100%, 62%
CMY	0.2549, 0.0000, 0.3843
CMYK	0.25, 0.00, 0.38, 0.00
HSL	100°, 100%, 81%
HSV	100°, 38%, 100%
XYZ	63.0810, 84.9015, 44.9612
YIQ	224.3930, -7.2820, -44.2580

Conversions

Conversions Part 2

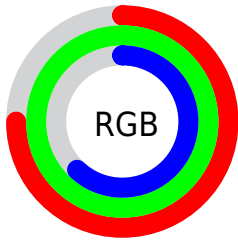
Format	Color
RYB	157, 255, 222
Decimal	12517277
CIELab	93.84, -37.31, 40.45
CIELCh	94, 55.030, 132.692
Yxy	84.9015, 0.3269, 0.4400
Android (android.graphics.Color)	4290707357 (0xFFBEFF9D)
YUV	224.3930, -33.2247, -30.1627
Hunter-Lab	92.1420, -39.0463, 35.5685

Details

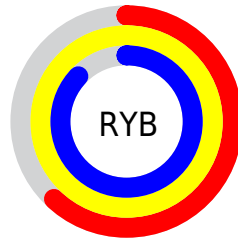
The XYZ color **63.0810, 84.9015, 44.9612** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **60.2324, 46.8649, 100.4790**, and the grayscale version is **71.3664, 75.0831, 81.7654**.

A 20% lighter version of the original color is **86.4816, 96.2806, 76.9767**, and **32.5243, 46.4560, 20.3494** is the 20% darker color. If you saturate the color by 10%, you get **57.1437, 82.0665, 34.4805**, and if you desaturate by 10%, it is **69.9637, 88.1713, 57.8602**.

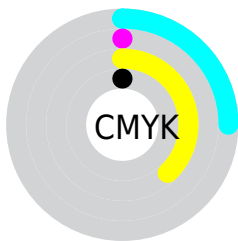
Distribution



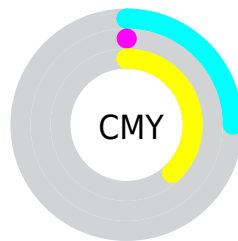
- Red (75%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (87%)



- Cyan (25%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)





- Cyan (25%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.0810, 84.9015, 44.9612 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 63.0810, 84.9015, 44.9612 by changing the saturation by 10% instead.


 63.0810, 84.9015,
44.9612


 63.0810, 84.9015,
44.9612

425.5184,
511.3021, 382.7719

 46.1656, 63.7600,
31.0841

 108.3675,
140.2355, 83.9800

 32.5817, 46.4563,
20.4039


 137.4694,
175.1969, 109.9589

 21.9639, 32.6061,
12.5020


171.3641,
215.5336, 140.8087

 13.9468, 21.8248,
6.9599

210.4171,
261.6301, 176.9481

 8.1652, 13.7282,
3.3589

254.9936,
313.8709, 218.7956

 4.2535, 7.9319,
1.2807

305.4591,

 1.8465, 4.0514,

372.6402, 266.7697

0.0459

362.1789,
438.3224, 321.2890

■ 0.5455, 1.7024,
0.0000

■ 0.0000, 0.4252,
0.0000

■ 63.0810, 84.9015,
44.9612

■ 63.0810, 84.9015,
44.9612

■ 57.1437, 82.0665,
34.4805

■ 69.9637, 88.1713,
57.8602

■ 52.1055, 79.6459,
26.2634

■ 77.8326, 91.8940,
73.3114

■ 47.9175, 77.6180,
20.1434

■ 86.7273, 96.0873,
91.4436

■ 44.5248, 75.9587,
15.9296

95.0500, 100.0000,
108.9000

■ 41.8647, 74.6407,
13.3959

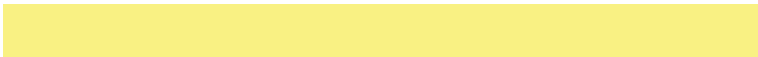
■ 39.8557, 73.6289,
12.2261

■ 39.5852, 73.4920,
12.0990

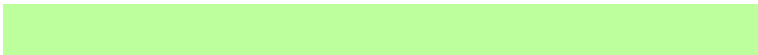
Harmonies

Analogous

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



74.6706, 84.9015, 34.0062



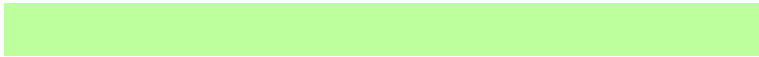
63.0810, 84.9015, 44.9612



56.7027, 84.9015, 70.4808

Triad

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



63.0810, 84.9015, 44.9612



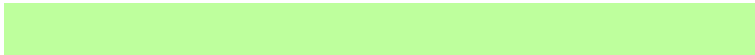
72.6109, 84.9015, 192.6993



111.3778, 84.9015, 75.8441

Complementary

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



63.0810, 84.9015, 44.9612



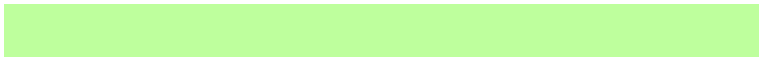
60.2324, 46.8649, 100.4790

Split Complementary

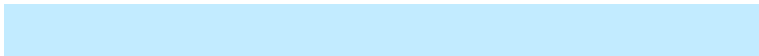
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



110.6522, 84.9015, 118.5513



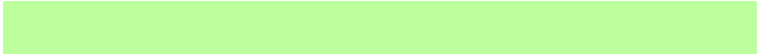
63.0810, 84.9015, 44.9612



87.0378, 84.9015, 195.4538

Square

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



63.0810, 84.9015, 44.9612



61.7307, 84.9015, 158.5589



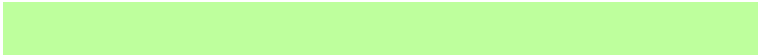
101.3190, 84.9015, 165.2272



103.1958, 84.9015, 47.8601

Rectangle

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



63.0810, 84.9015, 44.9612



55.7259, 84.9015, 96.2798



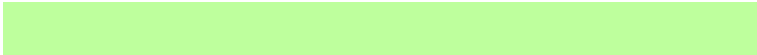
101.3190, 84.9015, 165.2272



112.1936, 84.9015, 88.7101

Sweetspot

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



63.0814, 84.9016, 44.9625



83.4321, 94.5353, 84.6556



73.1036, 75.2496, 42.5712



17.6070, 20.1162, 17.6070



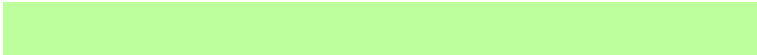
0.0000, 0.0000, 0.0000



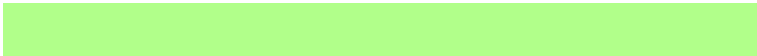
20.3446, 21.4041, 23.3091

Same Dimension

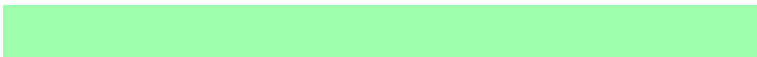
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.0814, 84.9016, 44.9625



58.5022, 82.7166, 36.8135



57.0830, 81.6555, 51.6325



18.3479, 20.4653, 19.1275



20.8257, 38.4741, 6.3286



2.1386, 3.8032, 0.6214

Inverse Universe

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



60.2324, 46.8649, 100.4790



55.2677, 39.8343, 99.3836



69.0703, 51.6840, 89.0079



18.1637, 17.9761, 22.7624



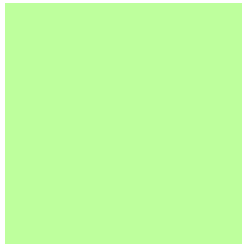
18.1619, 8.2733, 50.0742



1.8848, 0.8656, 4.8810

Previews

White Background



This preview shows how the XYZ color 63.0810, 84.9015, 44.9612 looks on a white background.

Color Contrast Check

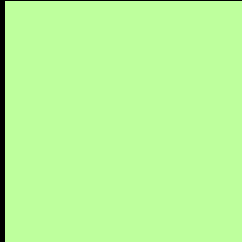
Large Text (above 18pt) WCAG AA × Fail

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 63.0810, 84.9015, 44.9612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

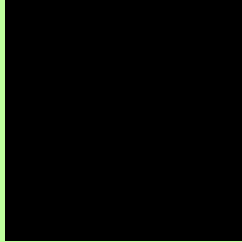
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

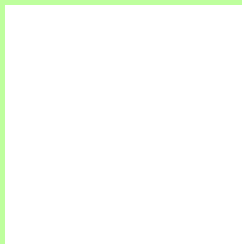
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.0810, 84.9015, 44.9612

Background



This preview shows how black text looks on a background with the XYZ color 63.0810, 84.9015, 44.9612.

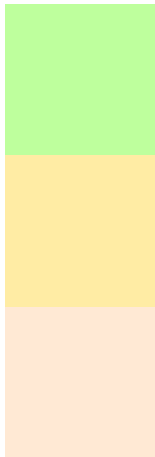


This preview shows how white text looks on a background with the XYZ color 63.0810, 84.9015,

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

63.0810, 84.9015, 44.9612

Protanopia

77.9363, 83.9312, 47.2146

Deuteranopia

82.2626, 84.2913, 74.2215



Tritanopia

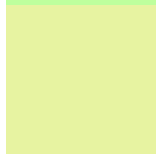
77.5296, 84.5777, 106.8466

Trichromacy



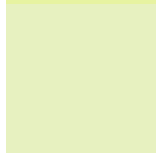
Original Color

63.0810, 84.9015, 44.9612



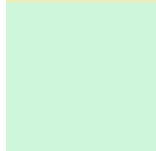
Protanomaly

71.4386, 83.6633, 46.1016



Deuteranomaly

73.9247, 83.7053, 62.1297



Tritanomaly

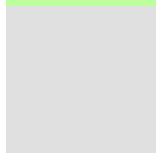
71.1955, 84.1478, 79.5076

Monochromacy



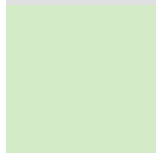
Original Color

63.0810, 84.9015, 44.9612



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

67.2850, 77.5838, 66.0725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.0810, 84.9015, 44.9612 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(190, 255, 157)` looks like.

```
.text, #text, p{  
    color:rgb(190, 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(190, 255, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 255, 157) }
```

Border

The CSS property to change the border of an element to XYZ 63.0810, 84.9015, 44.9612 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(190, 255, 157) }
```


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

```
.border{ border-color:rgb(190, 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(190, 255, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 255, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 255, 157);  
box-shadow:4px 4px 4px 4px rgb(190, 255,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 63.0810, 84.9015, 44.9612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 255, 157) }
```

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

```
.background{ background-color: rgb(190,  
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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