

Converting Colors

XYZ(63.0289, 84.7930, 48.6444)

Have a look what the booklet for
XYZ(63.0289, 84.7930, 48.6444)
contains.

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Color

**XYZ(63.0450, 84.8014,
48.6428)**

Conversions

Conversions Part 1

Format	Color
Hex	BBFFA5
RGB	187, 255, 165
RGB Percent	73%, 100%, 65%
CMY	0.2667, 0.0000, 0.3529
CMYK	0.27, 0.00, 0.35, 0.00
HSL	105°, 100%, 82%
HSV	105°, 35%, 100%
XYZ	63.0450, 84.8014, 48.6428
YIQ	224.4080, -11.6380, -42.4060

Conversions

Conversions Part 2

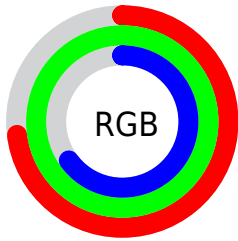
Format	Color
RYB	165, 255, 233
Decimal	12320677
CIELab	93.80, -37.21, 36.41
CIELCh	94, 52.064, 135.619
Yxy	84.8014, 0.3209, 0.4316
Android (android.graphics.Color)	4290510757 (0xFFBBFFA5)
YUV	224.4080, -29.2881, -32.8068
Hunter-Lab	92.0877, -38.9489, 33.1430

Details

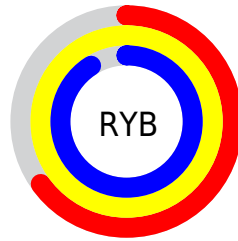
The XYZ color **63.0450, 84.8014, 48.6428** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **65.1106, 51.4552, 101.1079**, and the grayscale version is **71.3521, 75.0680, 81.7490**.

A 20% lighter version of the original color is **86.4673, 96.1529, 82.4087**, and **32.6344, 46.4636, 22.5776** is the 20% darker color. If you saturate the color by 10%, you get **56.5488, 81.6944, 37.4073**, and if you desaturate by 10%, it is **70.6373, 88.4199, 62.3475**.

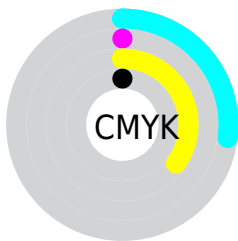
Distribution



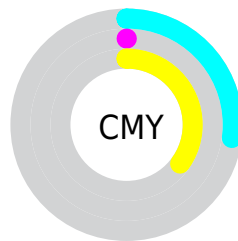
- Red (73%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (91%)



- Cyan (27%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.0450, 84.8014, 48.6428 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 63.0450, 84.8014, 48.6428 by changing the saturation by 10% instead.


 63.0450, 84.8014,
48.6428


 63.0450, 84.8014,
48.6428


425.3899,
510.9707, 397.9164

 46.1364, 63.6773,
33.9726


 108.3159,
140.0957, 89.5362

 32.5585, 46.3894,
22.5954


 137.4089,
175.0346, 116.5965

 21.9461, 32.5532,
14.0925


171.2940,
215.3473, 148.6239

 13.9337, 21.7844,
8.0456

210.3367,
261.4181, 186.0369

 8.1559, 13.6985,
4.0359

254.9023,
313.6315, 229.2541

 4.2475, 7.9113,
1.6451

305.3561,

 1.8431, 4.0382,

372.3718, 278.6941

0.3227

362.0635,
438.0234, 334.7753

■ 0.5434, 1.6950,
0.0000

■ 0.0000, 0.4204,
0.0000

■ 63.0450, 84.8014,
48.6428

■ 63.0450, 84.8014,
48.6428

■ 56.5488, 81.6944,
37.4073

■ 70.6373, 88.4199,
62.3475

■ 51.0947, 79.0744,
28.4903

■ 79.3733, 92.5716,
78.6523

■ 46.6259, 76.9157,
21.7308

■ 89.2995, 97.2778,
97.6832

■ 43.0792, 75.1896,
16.9455

95.0500, 100.0000,
108.9000

■ 40.3833, 73.8639,
13.9207

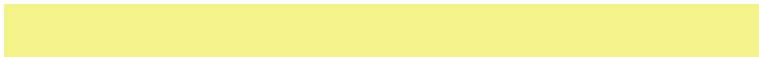
■ 38.4542, 72.9012,
12.3925

■ 37.7673, 72.5548,
12.0139

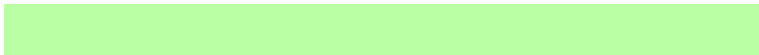
Harmonies

Analogous

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



73.6491, 84.8014, 36.6824



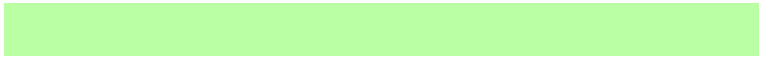
63.0450, 84.8014, 48.6428



57.4822, 84.8014, 74.6763

Triad

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



63.0450, 84.8014, 48.6428



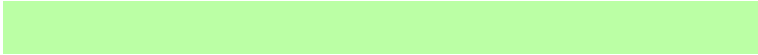
74.1734, 84.8014, 187.5356



109.0298, 84.8014, 73.3039

Complementary

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



63.0450, 84.8014, 48.6428



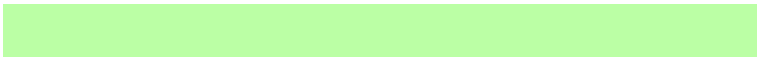
65.1106, 51.4552, 101.1079

Split Complementary

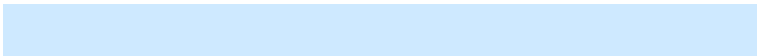
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



109.2119, 84.8014, 112.5772



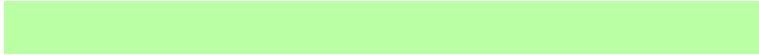
63.0450, 84.8014, 48.6428



87.9775, 84.8014, 186.8528

Square

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



63.0450, 84.8014, 48.6428



63.3908, 84.8014, 158.1865



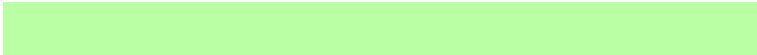
101.1470, 84.8014, 156.5251



100.6747, 84.8014, 47.8872

Rectangle

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



63.0450, 84.8014, 48.6428



56.9207, 84.8014, 99.9967



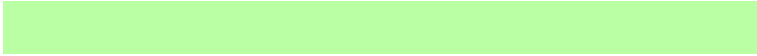
101.1470, 84.8014, 156.5251



110.0782, 84.8014, 85.0737

Sweetspot

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



63.0454, 84.8016, 48.6441



83.4863, 94.5229, 86.4814



77.0295, 81.9722, 47.3609



17.5864, 20.0975, 17.9696



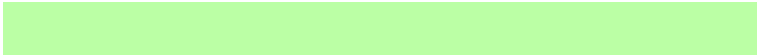
0.0000, 0.0000, 0.0000



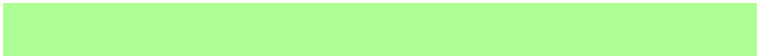
20.3446, 21.4041, 23.3091

Same Dimension

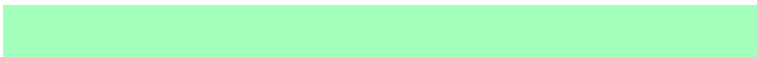
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.0454, 84.8016, 48.6441



58.5704, 82.6626, 40.8440



60.3011, 83.1290, 60.1633



18.1873, 20.3825, 19.1200



19.8460, 37.9691, 6.2828



2.0259, 3.7452, 0.6161

Inverse Universe

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



65.1106, 51.4552, 101.1079



60.8805, 44.9972, 100.0843



69.3323, 54.0259, 83.4912



18.3334, 18.0636, 22.7703



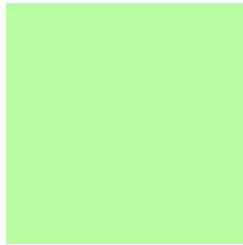
21.0212, 9.7473, 50.2081



2.1452, 0.9998, 4.8932

Previews

White Background



This preview shows how the XYZ color 63.0450, 84.8014, 48.6428 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 63.0450, 84.8014, 48.6428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

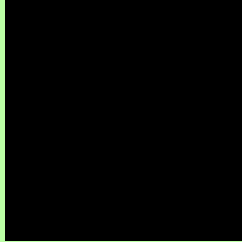
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.0450, 84.8014, 48.6428

Background



This preview shows how black text looks on a background with the XYZ color 63.0450, 84.8014, 48.6428.



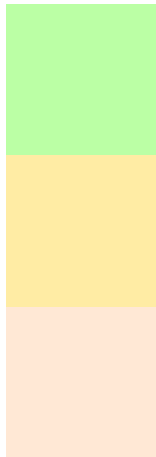
This preview shows how white text looks on a background with the XYZ color 63.0450, 84.8014,

48.6428.

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

63.0450, 84.8014, 48.6428

Protanopia

77.9363, 83.9312, 47.2146

Deuteranopia

82.1069, 83.7773, 74.7939



Tritanopia

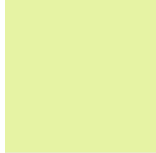
77.2369, 84.4267, 106.8329

Trichromacy



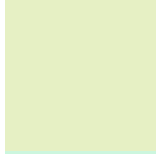
Original Color

63.0450, 84.8014, 48.6428



Protanomaly

71.3846, 83.6045, 47.4969



Deuteranomaly

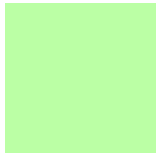
73.7570, 83.1287, 64.3826



Tritanomaly

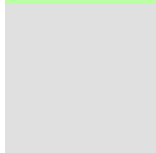
71.0424, 84.0228, 81.5809

Monochromacy



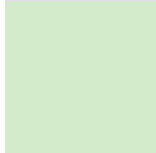
Original Color

63.0450, 84.8014, 48.6428



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

67.3518, 77.5773, 67.9240

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.0450, 84.8014, 48.6428 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(187, 255, 165)` looks like.

```
.text, #text, p{  
    color:rgb(187, 255, 165)  
}
```

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(187, 255, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 165) }
```

Border

The CSS property to change the border of an element to XYZ 63.0450, 84.8014, 48.6428 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(187, 255, 165) }
```


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

```
.border{ border-color:rgb(187, 255, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 255, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 255, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 255, 165);  
box-shadow:4px 4px 4px 4px rgb(187, 255,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 63.0450, 84.8014, 48.6428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 255, 165) }
```

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

```
.background{ background-color: rgb(187,  
255, 165) }
```

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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