

Converting Colors

XYZ(70.0459, 100.0000,
51.1578)

Have a look what the booklet for
XYZ(70.0459, 100.0000, 51.1578)
contains.

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Color

**XYZ(62.3187, 84.4270,
48.6088)**

Conversions

Conversions Part 1

Format	Color
Hex	B8FFA5
RGB	184, 255, 165
RGB Percent	72%, 100%, 65%
CMY	0.2784, 0.0000, 0.3529
CMYK	0.28, 0.00, 0.35, 0.00
HSL	107°, 100%, 82%
HSV	107°, 35%, 100%
XYZ	62.3187, 84.4270, 48.6088
YIQ	223.5110, -13.4260, -43.0420

Conversions

Conversions Part 2

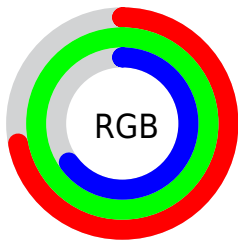
Format	Color
RYB	165, 255, 236
Decimal	12124069
CIELab	93.64, -38.19, 36.17
CIELCh	94, 52.604, 136.558
Yxy	84.4270, 0.3190, 0.4322
Android (android.graphics.Color)	4290314149 (0xFFB8FFA5)
YUV	223.5110, -28.8459, -34.6511
Hunter-Lab	91.8842, -39.7330, 32.9532

Details

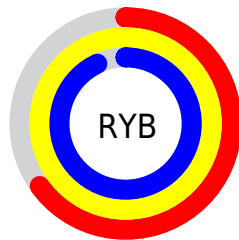
The XYZ color **62.3187, 84.4270, 48.6088** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **66.0983, 51.9644, 101.1541**, and the grayscale version is **70.7082, 74.3906, 81.0113**.

A 20% lighter version of the original color is **85.4291, 95.6177, 82.3601**, and **32.1720, 46.2251, 22.5559** is the 20% darker color. If you saturate the color by 10%, you get **55.7429, 81.2790, 37.3695**, and if you desaturate by 10%, it is **70.0435, 88.1137, 62.3197**.

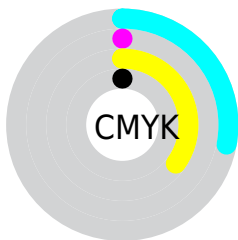
Distribution



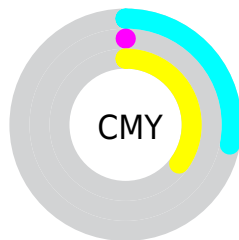
- Red (72%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (93%)



- Cyan (28%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)



- Cyan (28%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.3187, 84.4270, 48.6088 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 62.3187, 84.4270, 48.6088 by changing the saturation by 10% instead.


 62.3187, 84.4270,
48.6088


 62.3187, 84.4270,
48.6088


422.7917,
509.7301, 397.7783

 45.5468, 63.3680,
33.9458


 107.2734,
139.5723, 89.4851

 32.0915, 46.1390,
22.5750


 136.1869,
174.4275, 116.5356

 21.5873, 32.3555,
14.0776


169.8783,
214.6502, 148.5523

 13.6688, 21.6332,
8.0353

208.7130,
260.6247, 185.9537

 7.9709, 13.5876,
4.0295

253.0563,
312.7356, 229.1585

 4.1280, 7.8344,
1.6415

303.2737,

 1.7748, 3.9892,

371.3672, 278.5852

0.3202

359.7303,
436.9039, 334.6523

■ 0.5024, 1.6675,
0.0000

■ 0.0000, 0.4025,
0.0000

■ 62.3187, 84.4270,
48.6088

■ 62.3187, 84.4270,
48.6088

■ 55.7429, 81.2790,
37.3695

■ 70.0435, 88.1137,
62.3197

■ 50.2583, 78.6433,
28.4512

■ 78.9683, 92.3628,
78.6333

■ 45.8040, 76.4920,
21.6924

■ 89.1428, 97.1971,
97.6759

■ 42.3121, 74.7941,
16.9096

■ 95.0500, 100.0000,
108.9000

■ 39.7059, 73.5147,
13.8890

■ 37.8954, 72.6132,
12.3664

■ 37.2722, 72.2996,
11.9908

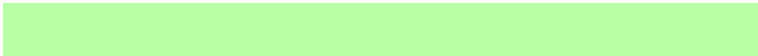
Harmonies

Analogous

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



72.8482, 84.4270, 36.2414



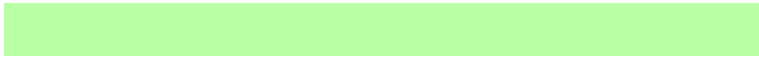
62.3187, 84.4270, 48.6088



56.9019, 84.4270, 75.2155

Triad

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



62.3187, 84.4270, 48.6088



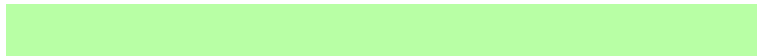
74.1758, 84.4270, 188.5959



108.7696, 84.4270, 71.7439

Complementary

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



62.3187, 84.4270, 48.6088



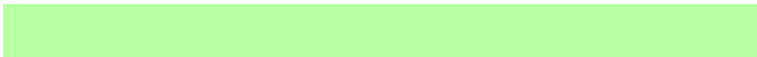
66.0983, 51.9644, 101.1541

Split Complementary

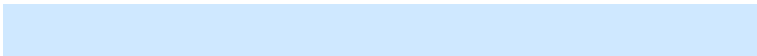
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



109.2322, 84.4270, 110.9460



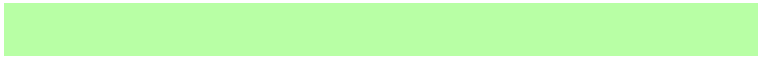
62.3187, 84.4270, 48.6088



88.1270, 84.4270, 186.8574

Square

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



62.3187, 84.4270, 48.6088



63.1933, 84.4270, 159.6669



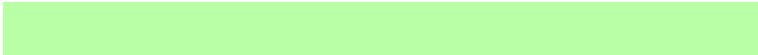
101.3170, 84.4270, 155.4409



100.1181, 84.4270, 46.7046

Rectangle

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



62.3187, 84.4270, 48.6088



56.4588, 84.4270, 100.9732



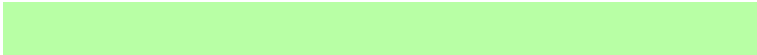
101.3170, 84.4270, 155.4409



109.9199, 84.4270, 83.4372

Sweetspot

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



62.3191, 84.4271, 48.6101



83.1805, 94.3653, 86.4671



77.8836, 83.6804, 47.6456



17.5139, 20.0602, 17.9662



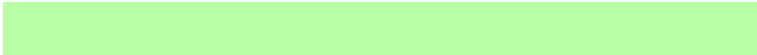
0.0000, 0.0000, 0.0000



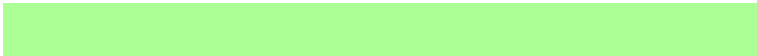
20.3446, 21.4041, 23.3091

Same Dimension

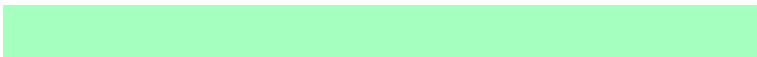
The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.3191, 84.4271, 48.6101



57.7851, 82.2578, 40.8072



60.6268, 83.2593, 61.8786



18.1298, 20.3528, 19.1173



19.5750, 37.8294, 6.2701



1.9921, 3.7277, 0.6145

Inverse Universe

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



66.0983, 51.9644, 101.1541



62.0302, 45.5899, 100.1381



68.9085, 53.8564, 81.2593



18.3952, 18.0955, 22.7732



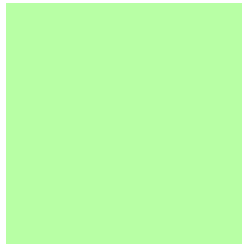
22.1714, 10.3402, 50.2619



2.2482, 1.0529, 4.8980

Previews

White Background



This preview shows how the XYZ color 62.3187, 84.4270, 48.6088 looks on a white background.

Color Contrast Check

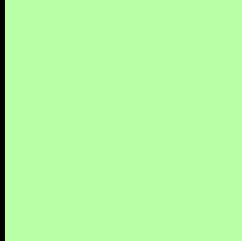
Large Text (above 18pt) WCAG AA × Fail

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 62.3187, 84.4270, 48.6088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

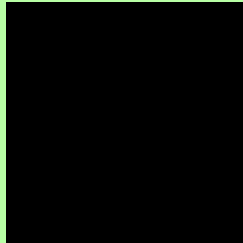
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.3187, 84.4270, 48.6088

Background



This preview shows how black text looks on a background with the XYZ color 62.3187, 84.4270, 48.6088.

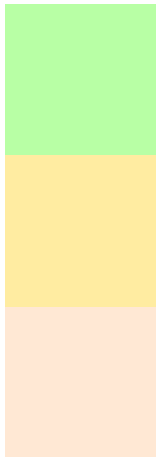


This preview shows how white text looks on a background with the XYZ color 62.3187, 84.4270,

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

62.3187, 84.4270, 48.6088

Protanopia

77.6685, 83.8241, 45.8043

Deuteranopia

81.9803, 83.7267, 74.1274



Tritanopia

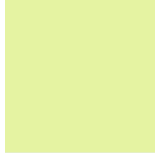
76.6567, 84.1276, 106.8058

Trichromacy



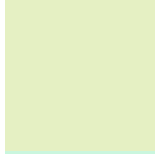
Original Color

62.3187, 84.4270, 48.6088



Protanomaly

70.8853, 83.3678, 46.5380



Deuteranomaly

73.3235, 82.9183, 63.7700



Tritanomaly

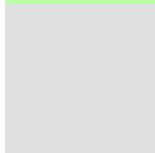
70.4977, 83.7420, 81.5554

Monochromacy



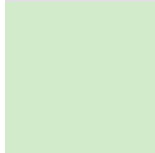
Original Color

62.3187, 84.4270, 48.6088



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

66.7823, 77.2838, 67.8974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.3187, 84.4270, 48.6088 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(184, 255, 165)` looks like.

```
.text, #text, p{  
    color:rgb(184, 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(184, 255, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 255, 165) }
```

Border

The CSS property to change the border of an element to XYZ 62.3187, 84.4270, 48.6088 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(184, 255, 165) }
```


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

```
.border{ border-color:rgb(184, 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(184, 255, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 255, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 255, 165);  
box-shadow:4px 4px 4px 4px rgb(184, 255,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 62.3187, 84.4270, 48.6088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 255, 165) }
```

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

```
.background{ background-color: rgb(184,  
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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