

Converting Colors

XYZ(62.4360, 84.4745, 49.1992)

Have a look what the booklet for
XYZ(62.4360, 84.4745, 49.1992)
contains.

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Color

**XYZ(62.4101, 84.4635,
49.0901)**

Conversions

Conversions Part 1

Format	Color
Hex	B8FFA6
RGB	184, 255, 166
RGB Percent	72%, 100%, 65%
CMY	0.2784, 0.0000, 0.3490
CMYK	0.28, 0.00, 0.35, 0.00
HSL	108°, 100%, 83%
HSV	108°, 35%, 100%
XYZ	62.4101, 84.4635, 49.0901
YIQ	223.6250, -13.7470, -42.7310

Conversions

Conversions Part 2

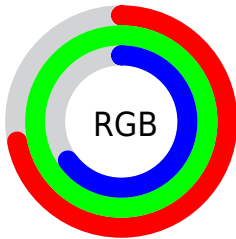
Format	Color
RYB	166, 255, 237
Decimal	12124070
CIELab	93.65, -38.05, 35.70
CIElCh	94, 52.172, 136.828
Yxy	84.4635, 0.3185, 0.4310
Android (android.graphics.Color)	4290314150 (0xFFB8FFA6)
YUV	223.6250, -28.4091, -34.7511
Hunter-Lab	91.9040, -39.6164, 32.6633

Details

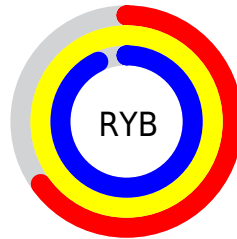
The XYZ color **62.4101, 84.4635, 49.0901** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **66.6123, 52.4982, 101.2301**, and the grayscale version is **70.7868, 74.4732, 81.1013**.

A 20% lighter version of the original color is **85.5628, 95.6712, 83.0640**, and **32.2280, 46.2475, 22.8509** is the 20% darker color. If you saturate the color by 10%, you get **55.7701, 81.2845, 37.7558**, and if you desaturate by 10%, it is **70.2156, 88.1898, 62.9023**.

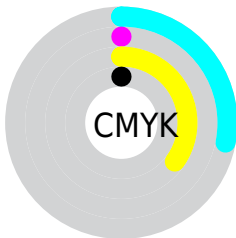
Distribution



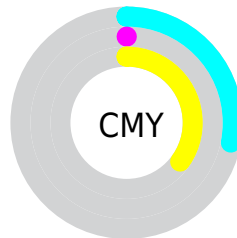
- Red (72%)
- Green (100%)
- Blue (65%)



- 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 62.4101, 84.4635, 49.0901 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 62.4101, 84.4635, 49.0901 by changing the saturation by 10% instead.


 62.4101, 84.4635,
49.0901

 62.4101, 84.4635,
49.0901


423.1192,
509.8511, 399.7296

 45.6210, 63.3982,
34.3249


 107.4046,
139.6234, 90.2076

 32.1502, 46.1634,
22.8639


 136.3408,
174.4867, 117.3970

 21.6324, 32.3748,
14.2887


170.0566,
214.7181, 149.5648

 13.7021, 21.6479,
8.1807

208.9175,
260.7021, 187.1296

 7.9941, 13.5984,
4.1214

253.2889,
312.8230, 230.5100

 4.1429, 7.8419,
1.6922

303.5361,

 1.7833, 3.9940,

371.4652, 280.1244

0.3553

360.0244,
437.0131, 336.3914

■ 0.5076, 1.6702,
0.0000

■ 0.0000, 0.4042,
0.0000

■ 62.4101, 84.4635,
49.0901

■ 62.4101, 84.4635,
49.0901

■ 55.7701, 81.2845,
37.7558

■ 70.2156, 88.1898,
62.9023

■ 50.2369, 78.6256,
28.7489

■ 79.2386, 92.4872,
79.3229

■ 45.7487, 76.4586,
21.9090

■ 89.5293, 97.3789,
98.4780

■ 42.2365, 74.7519,
17.0533

95.0500, 100.0000,
108.9000

■ 39.6226, 73.4699,
13.9693

■ 37.8157, 72.5713,
12.3954

■ 37.1541, 72.2387,
11.9852

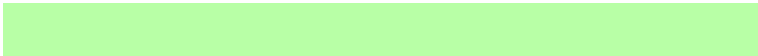
Harmonies

Analogous

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



72.8267, 84.4635, 36.6438



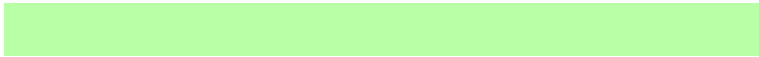
62.4101, 84.4635, 49.0901



57.0766, 84.4635, 75.6849

Triad

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



62.4101, 84.4635, 49.0901



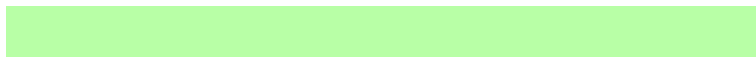
74.3731, 84.4635, 187.8069



108.5104, 84.4635, 71.6380

Complementary

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



62.4101, 84.4635, 49.0901



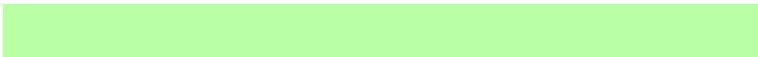
66.6123, 52.4982, 101.2301

Split Complementary

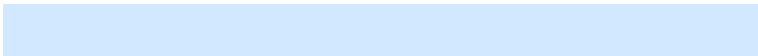
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



109.0480, 84.4635, 110.4299



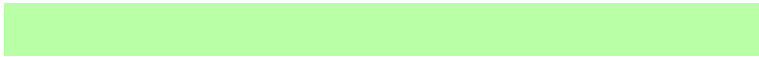
62.4101, 84.4635, 49.0901



88.2252, 84.4635, 185.7901

Square

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



62.4101, 84.4635, 49.0901



63.4298, 84.4635, 159.4205



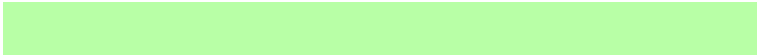
101.2718, 84.4635, 154.5143



99.8777, 84.4635, 46.8640

Rectangle

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



62.4101, 84.4635, 49.0901



56.6706, 84.4635, 101.3192



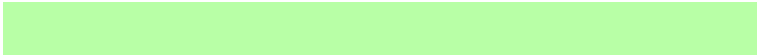
101.2718, 84.4635, 154.5143



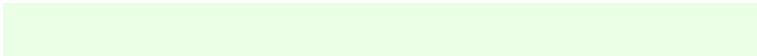
109.6758, 84.4635, 83.2076

Sweetspot

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



62.4106, 84.4637, 49.0914



84.1206, 94.8090, 88.3616



78.0373, 83.8415, 48.1477



17.6989, 20.1473, 18.3437



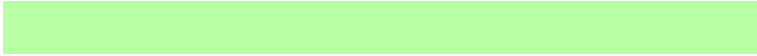
0.0000, 0.0000, 0.0000



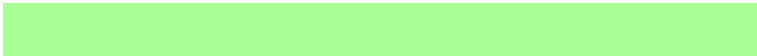
20.3446, 21.4041, 23.3091

Same Dimension

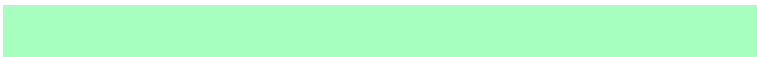
The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.4106, 84.4637, 49.0914



57.5798, 82.1520, 40.7976



60.9145, 83.3985, 62.3034



18.1146, 20.3450, 19.1166



19.5099, 37.7958, 6.2670



1.9837, 3.7234, 0.6141

Inverse Universe

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



66.6123, 52.4982, 101.2301



62.3398, 45.7495, 100.1526



69.1293, 54.2344, 81.5288



18.4117, 18.1040, 22.7740



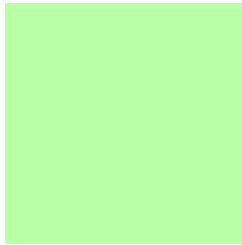
22.4879, 10.5034, 50.2767



2.2764, 1.0674, 4.8993

Previews

White Background



This preview shows how the XYZ color 62.4101, 84.4635, 49.0901 looks on a white background.

Color Contrast Check

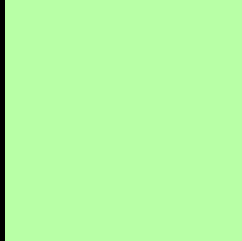
Large Text (above 18pt) WCAG AA × Fail

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 62.4101, 84.4635, 49.0901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

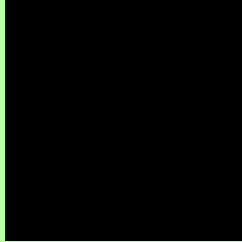
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.4101, 84.4635, 49.0901

Background



This preview shows how black text looks on a background with the XYZ color 62.4101, 84.4635, 49.0901.



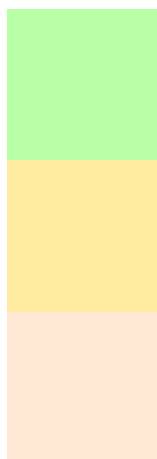
This preview shows how white text looks on a background with the XYZ color 62.4101, 84.4635,

49.0901.

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

62.4101, 84.4635, 49.0901

Protanopia

77.6685, 83.8241, 45.8043

Deuteranopia

81.9803, 83.7267, 74.1274



Tritanopia

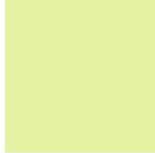
76.6567, 84.1276, 106.8058

Trichromacy



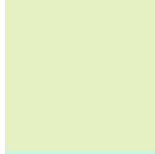
Original Color

62.4101, 84.4635, 49.0901



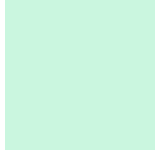
Protanomaly

70.9745, 83.4035, 47.0081



Deuteranomaly

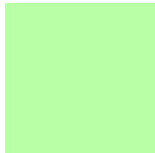
73.3235, 82.9183, 63.7700



Tritanomaly

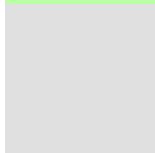
70.6322, 83.7958, 82.2635

Monochromacy



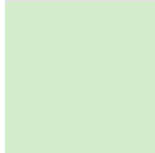
Original Color

62.4101, 84.4635, 49.0901



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 62.4101, 84.4635, 49.0901 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, 166)` looks like.

```
.text, #text, p{  
    color:rgb(184, 255, 166)  
}
```

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, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 255, 166) }
```

Border

The CSS property to change the border of an element to XYZ 62.4101, 84.4635, 49.0901 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, 166) }
```


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

```
.border{ border-color:rgb(184, 255, 166) }
```

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, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(184, 255, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(184, 255, 166); box-shadow:4px 4px 4px 4px rgb(184, 255, 166) }
```

Background

The CSS property to change the background color of an element to XYZ 62.4101, 84.4635, 49.0901 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, 166) }
```

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

```
.background{ background-color: rgb(184,  
255, 166) }
```

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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