

Converting Colors

XYZ(64.5037, 85.5377, 49.4189)

Have a look what the booklet for
XYZ(64.5037, 85.5377, 49.4189)
contains.

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Color

**XYZ(64.3812, 85.4796,
49.1824)**

Conversions

Conversions Part 1

Format	Color
Hex	C0FFA6
RGB	192, 255, 166
RGB Percent	75%, 100%, 65%
CMY	0.2471, 0.0000, 0.3490
CMYK	0.25, 0.00, 0.35, 0.00
HSL	102°, 100%, 83%
HSV	102°, 35%, 100%
XYZ	64.3812, 85.4796, 49.1824
YIQ	226.0170, -8.9790, -41.0350

Conversions

Conversions Part 2

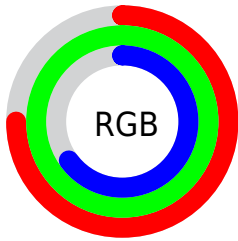
Format	Color
RYB	166, 255, 229
Decimal	12648358
CIELab	94.09, -35.41, 36.35
CIElCh	94, 50.749, 134.246
Yxy	85.4796, 0.3235, 0.4295
Android (android.graphics.Color)	4290838438 (0xFFC0FFA6)
YUV	226.0170, -29.5884, -29.8329
Hunter-Lab	92.4552, -37.4980, 33.1788

Details

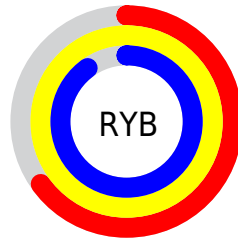
The XYZ color **64.3812, 85.4796, 49.1824** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **64.0004, 51.1517, 101.1078**, and the grayscale version is **72.5126, 76.2889, 83.0786**.

A 20% lighter version of the original color is **88.3692, 97.1179, 83.1953**, and **33.4912, 46.8988, 22.9100** is the 20% darker color. If you saturate the color by 10%, you get **57.9753, 82.4213, 37.8590**, and if you desaturate by 10%, it is **71.8125, 89.0130, 62.9771**.

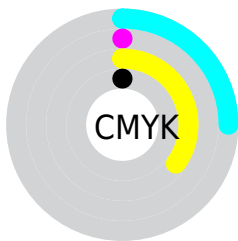
Distribution



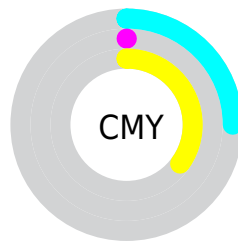
- Red (75%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (90%)



- Cyan (25%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)





- Cyan (25%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.3812, 85.4796, 49.1824 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 64.3812, 85.4796, 49.1824 by changing the saturation by 10% instead.


 64.3812, 85.4796,
49.1824


 64.3812, 85.4796,
49.1824


430.1454,
513.2137, 400.1030

 47.2223, 64.2377,
34.3976


 110.2304,
141.0431, 90.3461

 33.4201, 46.8433,
22.9194


 139.6515,
176.1334, 117.5620

 22.6093, 32.9118,
14.3292

173.8906,
216.6088, 149.7588

 14.4244, 22.0589,
8.2086

213.3132,
262.8535, 187.3548

 8.5001, 13.9002,
4.1391

258.2847,
315.2519, 230.7687

 4.4710, 8.0513,
1.7019

309.1702,

 1.9719, 4.1278,

374.1885, 280.4190

0.3621

366.3354,
440.0476, 336.7243

■ 0.6181, 1.7453,
0.0000

■ 0.0000, 0.4527,
0.0000

■ 64.3812, 85.4796,
49.1824

■ 64.3812, 85.4796,
49.1824

■ 57.9753, 82.4213,
37.8590

■ 71.8125, 89.0130,
62.9771

■ 52.5455, 79.8158,
28.8570

■ 80.3122, 93.0407,
79.3732

■ 48.0405, 77.6401,
22.0163

■ 89.9225, 97.5817,
98.4965

■ 44.4032, 75.8688,
17.1548

95.0500, 100.0000,
108.9000

■ 41.5689, 74.4732,
14.0604

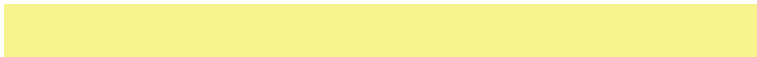
■ 39.4617, 73.4199,
12.4725

■ 38.6220, 72.9954,
12.0539

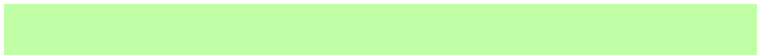
Harmonies

Analogous

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



74.9986, 85.4796, 37.8455



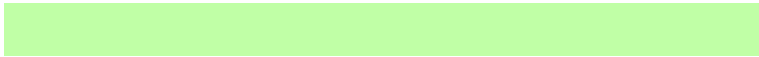
64.3812, 85.4796, 49.1824



58.6515, 85.4796, 74.2387

Triad

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



64.3812, 85.4796, 49.1824



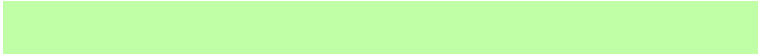
74.3716, 85.4796, 184.9980



109.2211, 85.4796, 75.8841

Complementary

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



64.3812, 85.4796, 49.1824



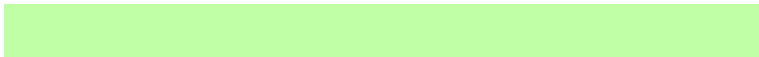
64.0004, 51.1517, 101.1078

Split Complementary

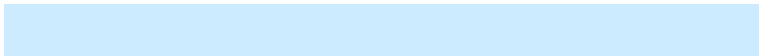
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



109.0048, 85.4796, 114.8498



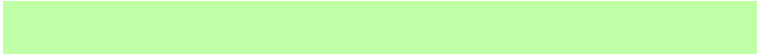
64.3812, 85.4796, 49.1824



87.8307, 85.4796, 185.8036

Square

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



64.3812, 85.4796, 49.1824



63.9664, 85.4796, 155.4837



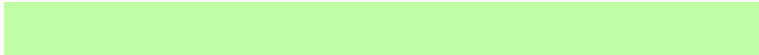
100.8248, 85.4796, 157.4493



101.3864, 85.4796, 50.0967

Rectangle

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



64.3812, 85.4796, 49.1824



57.9240, 85.4796, 98.7096



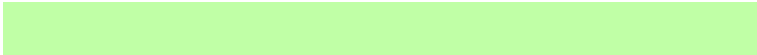
100.8248, 85.4796, 157.4493



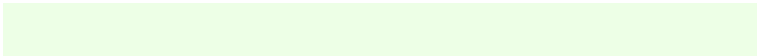
110.1127, 85.4796, 87.6547

Sweetspot

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



64.3817, 85.4799, 49.1837



84.8809, 95.2009, 88.3972



75.9494, 79.6657, 47.4518



17.8817, 20.2416, 18.3522



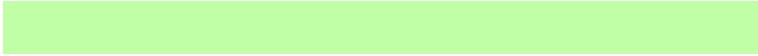
0.0000, 0.0000, 0.0000



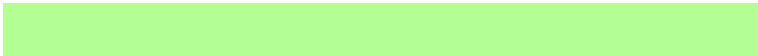
20.3446, 21.4041, 23.3091

Same Dimension

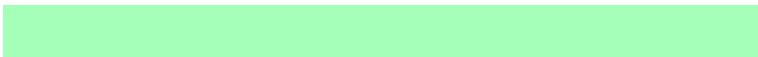
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.3817, 85.4799, 49.1837



59.7309, 83.2609, 40.8983



60.1175, 83.0797, 58.1062



18.2701, 20.4251, 19.1238



20.3089, 38.2077, 6.3044



2.0806, 3.7733, 0.6187

Inverse Universe

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



64.0004, 51.1517, 101.1078



59.2760, 44.1700, 100.0092



70.1921, 54.6596, 87.1253



18.2455, 18.0183, 22.7662



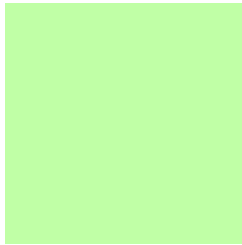
19.4846, 8.9552, 50.1362



2.0061, 0.9281, 4.8867

Previews

White Background



This preview shows how the XYZ color 64.3812, 85.4796, 49.1824 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 64.3812, 85.4796, 49.1824 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

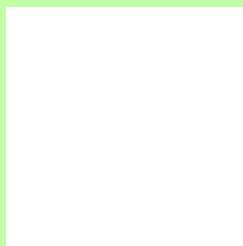
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.3812, 85.4796, 49.1824

Background



This preview shows how black text looks on a background with the XYZ color 64.3812, 85.4796, 49.1824.

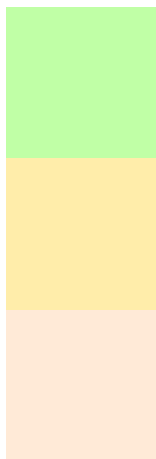


This preview shows how white text looks on a background with the XYZ color 64.3812, 85.4796,

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

64.3812, 85.4796, 49.1824

Protanopia

78.7799, 84.7307, 50.2327

Deuteranopia

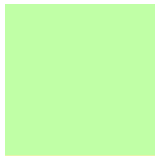
82.9286, 85.0119, 76.3281



Tritanopia

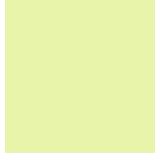
78.1206, 84.8823, 106.8743

Trichromacy



Original Color

64.3812, 85.4796, 49.1824



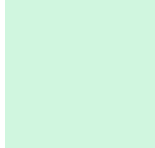
Protanomaly

72.7908, 84.7217, 50.0526



Deuteranomaly

75.1089, 84.6913, 65.2117



Tritanomaly

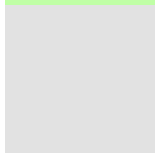
72.2875, 84.6491, 82.3410

Monochromacy



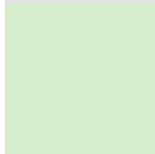
Original Color

64.3812, 85.4796, 49.1824



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

68.9148, 79.2241, 68.7863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.3812, 85.4796, 49.1824 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(192, 255, 166)` looks like.

```
.text, #text, p{  
    color:rgb(192, 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(192, 255, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 255, 166) }
```

Border

The CSS property to change the border of an element to XYZ 64.3812, 85.4796, 49.1824 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(192, 255, 166) }
```


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

```
.border{ border-color:rgb(192, 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(192, 255, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 255, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 255, 166);  
box-shadow:4px 4px 4px 4px rgb(192, 255,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 64.3812, 85.4796, 49.1824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 255, 166) }
```

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

```
.background{ background-color: rgb(192,  
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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