

Converting Colors

XYZ(63.1868, 84.9136, 46.8827)

Have a look what the booklet for
XYZ(63.1868, 84.9136, 46.8827)
contains.

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Color

**XYZ(63.1793, 84.9120,
46.7780)**

Conversions

Conversions Part 1

Format	Color
Hex	BDFFA1
RGB	189, 255, 161
RGB Percent	74%, 100%, 63%
CMY	0.2588, 0.0000, 0.3686
CMYK	0.26, 0.00, 0.37, 0.00
HSL	102°, 100%, 82%
HSV	102°, 37%, 100%
XYZ	63.1793, 84.9120, 46.7780
YIQ	224.5500, -9.1620, -43.2260

Conversions

Conversions Part 2

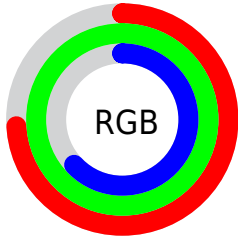
Format	Color
RYB	161, 255, 227
Decimal	12451745
CIELab	93.85, -37.11, 38.48
CIElCh	94, 53.454, 133.962
Yxy	84.9120, 0.3242, 0.4357
Android (android.graphics.Color)	4290641825 (0xFFBDDFA1)
YUV	224.5500, -31.3302, -31.1774
Hunter-Lab	92.1477, -38.8734, 34.4053

Details

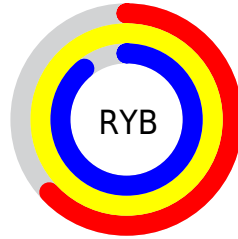
The XYZ color **63.1793, 84.9120, 46.7780** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **62.4746, 49.0419, 100.7810**, and the grayscale version is **71.4670, 75.1888, 81.8806**.

A 20% lighter version of the original color is **86.6422, 96.3039, 79.6676**, and **32.7324, 46.5392, 21.4451** is the 20% darker color. If you saturate the color by 10%, you get **56.9842, 81.9522, 35.9227**, and if you desaturate by 10%, it is **70.3822, 88.3384, 60.0766**.

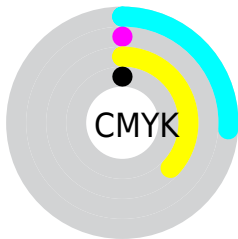
Distribution



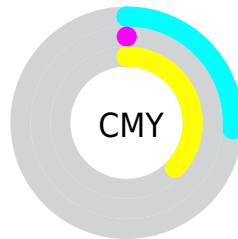
- Red (74%)
- Green (100%)
- Blue (63%)



- Red (63%)
- Yellow (100%)
- Blue (89%)



- Cyan (26%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)





- Cyan (26%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.1793, 84.9120, 46.7780 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 63.1793, 84.9120, 46.7780 by changing the saturation by 10% instead.


 63.1793, 84.9120,
46.7780


 63.1793, 84.9120,
46.7780


425.8692,
511.3368, 390.2958

 46.2455, 63.7687,
32.5071


 108.5085,
140.2502, 86.7287

 32.6450, 46.4633,
21.4811


 137.6346,
175.2139, 113.2455

 22.0126, 32.6116,
13.2815


171.5555,
215.5532, 144.6814

 13.9828, 21.8291,
7.4896

210.6365,
261.6524, 181.4549

 8.1903, 13.7314,
3.6871

255.2430,
313.8960, 223.9846

 4.2698, 7.9341,
1.4553

305.7404,

 1.8559, 4.0528,

372.6683, 272.6889

0.1843

362.4941,
438.3538, 327.9865

■ 0.5510, 1.7031,
0.0000

■ 0.0000, 0.4257,
0.0000

■ 63.1793, 84.9120,
46.7780

■ 63.1793, 84.9120,
46.7780

■ 56.9842, 81.9522,
35.9227

■ 70.3822, 88.3384,
60.0766

■ 51.7477, 79.4368,
27.3581

■ 78.6361, 92.2506,
75.9508

■ 47.4179, 77.3427,
20.9206

■ 87.9833, 96.6678,
94.5280

■ 43.9371, 75.6443,
16.4231

95.0500, 100.0000,
108.9000

■ 41.2396, 74.3123,
13.6462

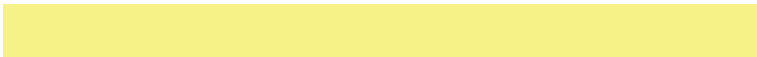
■ 39.2465, 73.3123,
12.3120

■ 38.7369, 73.0546,
12.0593

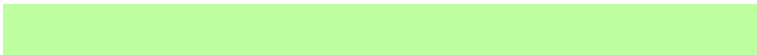
Harmonies

Analogous

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



74.2891, 84.9120, 35.3921



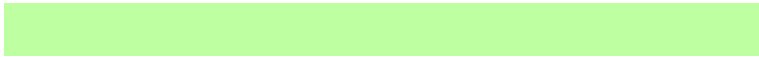
63.1793, 84.9120, 46.7780



57.1828, 84.9120, 72.4692

Triad

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



63.1793, 84.9120, 46.7780



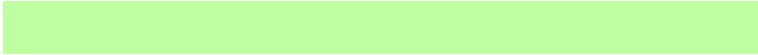
73.3875, 84.9120, 189.9470



110.2461, 84.9120, 74.8234

Complementary

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



63.1793, 84.9120, 46.7780



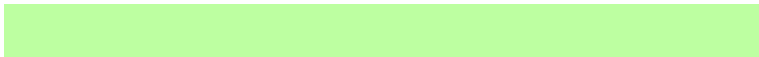
62.4746, 49.0419, 100.7810

Split Complementary

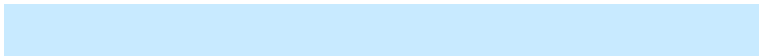
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



109.9308, 84.9120, 115.8132



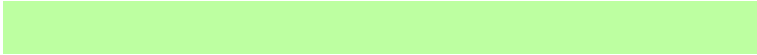
63.1793, 84.9120, 46.7780



87.4829, 84.9120, 191.1359

Square

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



63.1793, 84.9120, 46.7780



62.5863, 84.9120, 158.1415



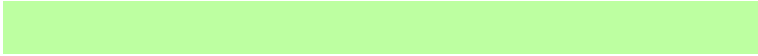
101.2076, 84.9120, 161.0274



102.0241, 84.9120, 48.0631

Rectangle

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



63.1793, 84.9120, 46.7780



56.3929, 84.9120, 97.9699



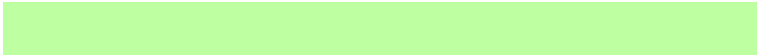
101.2076, 84.9120, 161.0274



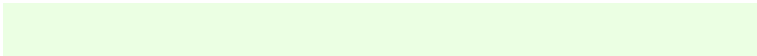
111.1624, 84.9120, 87.1505

Sweetspot

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



63.1797, 84.9122, 46.7793



83.9800, 94.7774, 86.5045



75.0879, 78.6626, 44.9454



17.7034, 20.1578, 17.9751



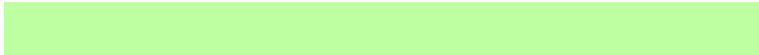
0.0000, 0.0000, 0.0000



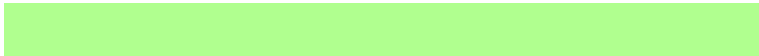
20.3446, 21.4041, 23.3091

Same Dimension

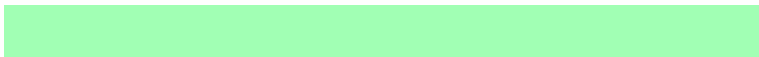
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.1797, 84.9122, 46.7793



58.6570, 82.7529, 38.7886



58.6766, 82.3846, 55.8837



18.2801, 20.4303, 19.1243



20.3708, 38.2396, 6.3073



2.0877, 3.7770, 0.6190

Inverse Universe

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



62.4746, 49.0419, 100.7810



57.8382, 42.2683, 99.7179



69.1548, 52.8185, 86.0599



18.2349, 18.0128, 22.7657



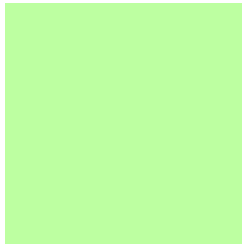
19.3084, 8.8643, 50.1279



1.9900, 0.9198, 4.8859

Previews

White Background



This preview shows how the XYZ color 63.1793, 84.9120, 46.7780 looks on a white background.

Color Contrast Check

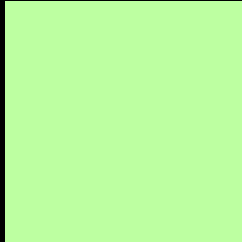
Large Text (above 18pt) WCAG AA × Fail

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 63.1793, 84.9120, 46.7780 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

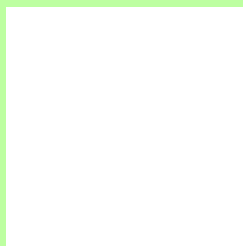
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.1793, 84.9120, 46.7780

Background



This preview shows how black text looks on a background with the XYZ color 63.1793, 84.9120, 46.7780.



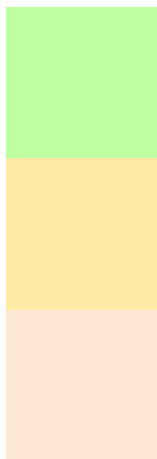
This preview shows how white text looks on a background with the XYZ color 63.1793, 84.9120,

46.7780.

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

63.1793, 84.9120, 46.7780

Protanopia

77.9363, 83.9312, 47.2146

Deuteranopia

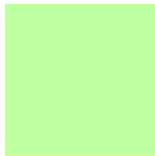
82.3892, 84.3419, 74.8880



Tritanopia

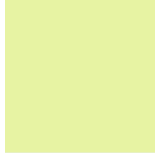
77.5296, 84.5777, 106.8466

Trichromacy



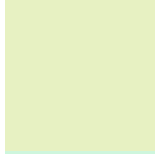
Original Color

63.1793, 84.9120, 46.7780



Protanomaly

71.6164, 83.7345, 47.0381



Deuteranomaly

74.1479, 83.7946, 63.3049



Tritanomaly

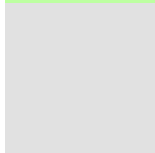
71.4605, 84.2538, 80.9029

Monochromacy



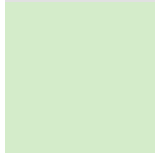
Original Color

63.1793, 84.9120, 46.7780



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

67.8075, 78.2522, 67.4075

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.1793, 84.9120, 46.7780 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(189, 255, 161)` looks like.

```
.text, #text, p{  
    color:rgb(189, 255, 161)  
}
```

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(189, 255, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 161) }
```

Border

The CSS property to change the border of an element to XYZ 63.1793, 84.9120, 46.7780 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(189, 255, 161) }
```


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

```
.border{ border-color:rgb(189, 255, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 255, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 255, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 255, 161);  
box-shadow:4px 4px 4px 4px rgb(189, 255,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 63.1793, 84.9120, 46.7780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 255, 161) }
```

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

```
.background{ background-color: rgb(189,  
255, 161) }
```

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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