

Converting Colors

XYZ(64.6228, 85.2715, 43.2220)

Have a look what the booklet for
XYZ(64.6228, 85.2715, 43.2220)
contains.

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Color

**XYZ(64.4803, 85.1893,
43.1817)**

Conversions

Conversions Part 1

Format	Color
Hex	C6FE99
RGB	198, 254, 153
RGB Percent	78%, 100%, 60%
CMY	0.2235, 0.0039, 0.4000
CMYK	0.22, 0.00, 0.40, 0.00
HSL	93°, 98%, 80%
HSV	93°, 40%, 100%
XYZ	64.4803, 85.1893, 43.1817
YIQ	225.7420, -0.9550, -43.2830

Conversions

Conversions Part 2

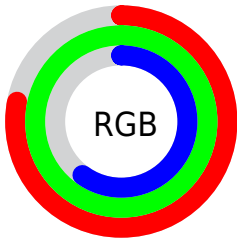
Format	Color
RYB	153, 254, 209
Decimal	13041305
CIELab	93.96, -34.65, 42.65
CIElCh	94, 54.952, 129.087
Yxy	85.1893, 0.3344, 0.4417
Android (android.graphics.Color)	4291231385 (0xFFC6FE99)
YUV	225.7420, -35.8618, -24.3297
Hunter-Lab	92.2980, -36.8198, 36.8698

Details

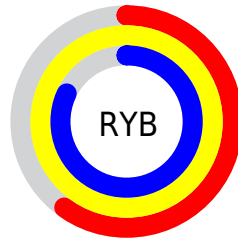
The XYZ color **64.4803, 85.1893, 43.1817** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **55.5787, 43.4960, 99.2369**, and the grayscale version is **72.3556, 76.1238, 82.8988**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **33.4218, 46.6034, 19.2904** is the 20% darker color. If you saturate the color by 10%, you get **59.0608, 82.6152, 33.1186**, and if you desaturate by 10%, it is **70.6959, 88.1274, 55.6164**.

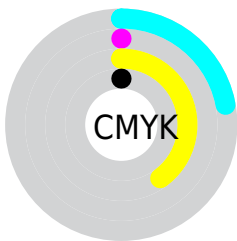
Distribution



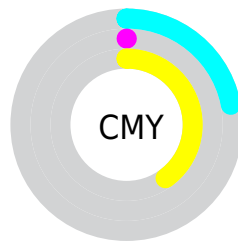
- Red (78%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (82%)



- Cyan (22%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.4803, 85.1893, 43.1817 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 64.4803, 85.1893, 43.1817 by changing the saturation by 10% instead.

 64.4803, 85.1893,
43.1817


 64.4803, 85.1893,
43.1817

430.4968,
512.2542, 375.3016

 47.3029, 63.9978,
29.6952


 110.3722,
140.6376, 81.2743

 33.4841, 46.6489,
19.3573


 139.8175,
175.6632, 106.7175

 22.6586, 32.7582,
11.7493


174.0828,
216.0690, 136.9834

 14.4609, 21.9413,
6.4528

213.5334,
262.2394, 172.4904

 8.5258, 13.8137,
3.0491

258.5348,
314.5587, 213.6573

 4.4878, 7.9912,
1.1198

309.4523,

 1.9816, 4.0893,

373.4113, 260.9024

0.0000

366.6511,
439.1817, 314.6443

■ 0.6236, 1.7237,
0.0000

■ 0.0000, 0.4389,
0.0000

■ 64.4803, 85.1893,
43.1817

■ 64.4803, 85.1893,
43.1817

■ 59.0608, 82.6152,
33.1186

■ 70.6959, 88.1274,
55.6164

■ 54.3931, 80.3778,
25.2705

■ 77.7363, 91.4335,
70.5549

■ 50.4376, 78.4629,
19.4710

■ 85.6364, 95.1254,
88.1261

■ 47.1476, 76.8508,
15.5272

■ 94.4269, 99.2164,
108.4486

■ 44.4689, 75.5183, 94.7336, 99.3672,
13.2100 108.7945

■ 42.3207, 74.4321,
12.1535

■ 42.2745, 74.4086,
12.1342

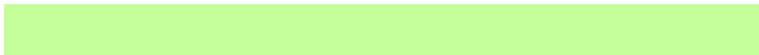
Harmonies

Analogous

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



76.6033, 85.1893, 33.7344



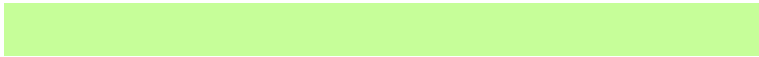
64.4803, 85.1893, 43.1817



57.4094, 85.1893, 66.8428

Triad

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



64.4803, 85.1893, 43.1817



71.3276, 85.1893, 190.3352



112.0832, 85.1893, 80.5935

Complementary

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



64.4803, 85.1893, 43.1817



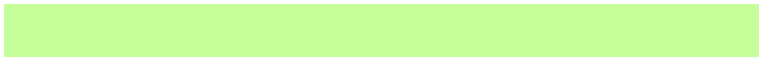
55.5787, 43.4960, 99.2369

Split Complementary

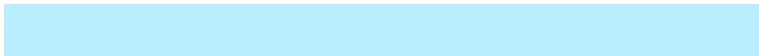
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



110.2282, 85.1893, 124.6277



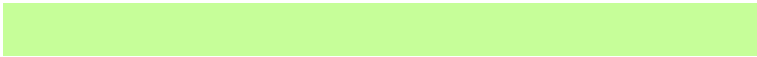
64.4803, 85.1893, 43.1817



85.4993, 85.1893, 197.3656

Square

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



64.4803, 85.1893, 43.1817



61.0189, 85.1893, 153.4668



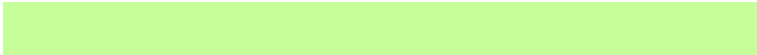
100.0552, 85.1893, 170.4991



104.8549, 85.1893, 50.6319

Rectangle

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



64.4803, 85.1893, 43.1817



55.9497, 85.1893, 91.4769



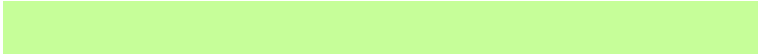
100.0552, 85.1893, 170.4991



112.5183, 85.1893, 94.0483

Sweetspot

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



64.4824, 85.1930, 43.1835



84.5397, 95.1063, 84.7074



69.3164, 68.7544, 39.7558



17.8669, 20.2502, 17.6191



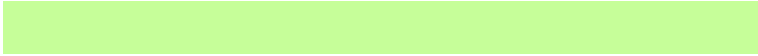
0.0000, 0.0000, 0.0000



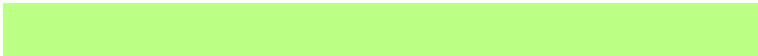
20.3446, 21.4041, 23.3091

Same Dimension

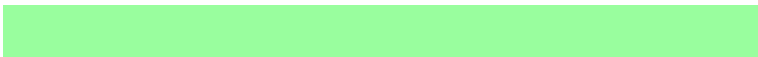
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.4824, 85.1930, 43.1835



60.4915, 83.7837, 35.0293



54.7571, 80.1302, 44.9524



18.5398, 20.5642, 19.1365



22.4502, 39.3116, 6.4046



2.3093, 3.8912, 0.6294

Inverse Universe

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



55.5787, 43.4960, 99.2369



50.3279, 36.2299, 98.9482



69.3587, 50.6921, 95.7150



17.9662, 17.8743, 22.7531



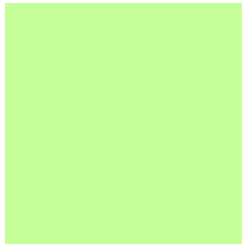
15.3809, 6.8396, 49.9441



1.6233, 0.7308, 4.8688

Previews

White Background



This preview shows how the XYZ color 64.4803, 85.1893, 43.1817 looks on a white background.

Color Contrast Check

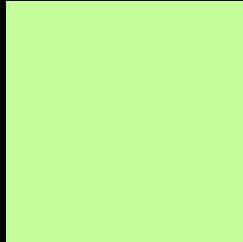
Large Text (above 18pt) WCAG AA × Fail

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 64.4803, 85.1893, 43.1817 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

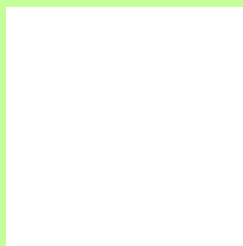
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.4803, 85.1893, 43.1817

Background



This preview shows how black text looks on a background with the XYZ color 64.4803, 85.1893, 43.1817.

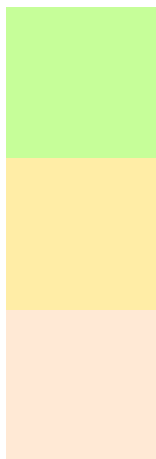


This preview shows how white text looks on a background with the XYZ color 64.4803, 85.1893,

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

64.4803, 85.1893, 43.1817

Protanopia

78.4071, 84.5815, 48.2698

Deuteranopia

82.3892, 84.3419, 74.8880



Tritanopia

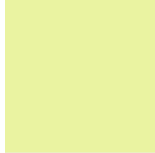
78.7253, 84.7558, 106.8180

Trichromacy



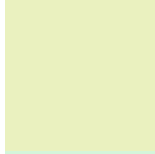
Original Color

64.4803, 85.1893, 43.1817



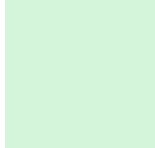
Protanomaly

72.4153, 84.1668, 46.1473



Deuteranomaly

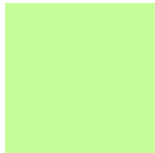
74.7910, 84.1646, 61.5937



Tritanomaly

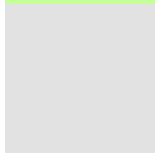
72.4587, 84.3638, 78.7945

Monochromacy



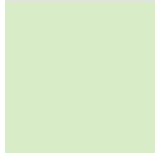
Original Color

64.4803, 85.1893, 43.1817



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

68.6232, 78.7134, 65.6092

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4803, 85.1893, 43.1817 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(198, 254, 153)` looks like.

```
.text, #text, p{  
    color:rgb(198, 254, 153)  
}
```

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(198, 254, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 254, 153) }
```

Border

The CSS property to change the border of an element to XYZ 64.4803, 85.1893, 43.1817 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(198, 254, 153) }
```


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

```
.border{ border-color:rgb(198, 254, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 254, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 254, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 254, 153);  
box-shadow:4px 4px 4px 4px rgb(198, 254,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4803, 85.1893, 43.1817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 254, 153) }
```

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

```
.background{ background-color: rgb(198,  
254, 153) }
```

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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