

Converting Colors

XYZ(71.6467, 100.0000,
41.5536)

Have a look what the booklet for
XYZ(71.6467, 100.0000, 41.5536)
contains.

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Color

**XYZ(64.5373, 85.7825,
39.1428)**

Conversions

Conversions Part 1

Format	Color
Hex	C8FF8F
RGB	200, 255, 143
RGB Percent	78%, 100%, 56%
CMY	0.2157, 0.0000, 0.4392
CMYK	0.22, 0.00, 0.44, 0.00
HSL	89°, 100%, 78%
HSV	89°, 44%, 100%
XYZ	64.5373, 85.7825, 39.1428
YIQ	225.7870, 3.1720, -46.4920

Conversions

Conversions Part 2

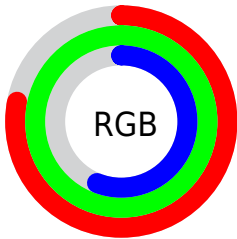
Format	Color
RYB	143, 255, 198
Decimal	13172623
CIELab	94.22, -35.61, 47.82
CIELCh	94, 59.629, 126.675
Yxy	85.7825, 0.3406, 0.4528
Android (android.graphics.Color)	4291362703 (0xFFC8FF8F)
YUV	225.7870, -40.8140, -22.6152
Hunter-Lab	92.6188, -37.7032, 39.7759

Details

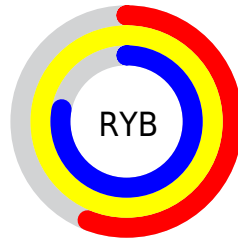
The XYZ color **64.5373, 85.7825, 39.1428** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **51.1624, 38.8720, 99.4142**, and the grayscale version is **72.4183, 76.1897, 82.9706**.

A 20% lighter version of the original color is **87.1930, 96.8572, 67.5258**, and **33.5411, 47.0556, 16.9877** is the 20% darker color. If you saturate the color by 10%, you get **59.6111, 83.4413, 29.9491**, and if you desaturate by 10%, it is **70.1772, 88.4408, 50.6641**.

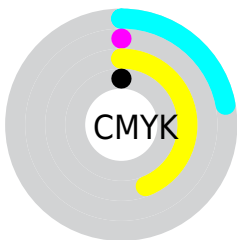
Distribution



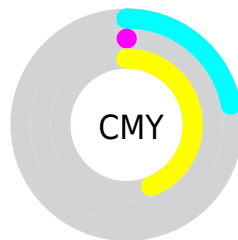
- Red (78%)
- Green (100%)
- Blue (56%)



- Red (56%)
- Yellow (100%)
- Blue (78%)



- Cyan (22%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)



- Cyan (22%)
- Magenta (0%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.5373, 85.7825, 39.1428 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 64.5373, 85.7825, 39.1428 by changing the saturation by 10% instead.


 64.5373, 85.7825,
39.1428


 64.5373, 85.7825,
39.1428


430.6989,
514.2138, 357.9413

 47.3493, 64.4881,
26.5621


 110.4538,
141.4659, 75.0792

 33.5210, 47.0461,
17.0151


 139.9130,
176.6238, 99.2720

 22.6870, 33.0721,
10.0832


174.1933,
217.1716, 128.1725

 14.4820, 22.1817,
5.3478

213.6601,
263.4938, 162.1995

 8.5406, 13.9905,
2.3905

258.6787,
315.9747, 201.7713

 4.4974, 8.1140,
0.7813

309.6144,

 1.9872, 4.1680,

374.9987, 247.3065

0.0000

366.8327,
440.9503, 299.2236

0.6268, 1.7680,
0.0000

0.0000, 0.4671,
0.0000

64.5373, 85.7825,
39.1428

64.5373, 85.7825,
39.1428

59.6111, 83.4413,
29.9491

70.1772, 88.4408,
50.6641

55.3610, 81.4015,
22.9202

76.5634, 91.4300,
64.6532

51.7465, 79.6460,
17.8783

83.7276, 94.7635,
81.2439

48.7213, 78.1556,
14.6158

91.6988, 98.4535,
100.5591

■ 46.2299, 76.9071, 95.0500, 100.0000,
12.8789 108.9000

■ 44.9312, 76.2479,
12.3492

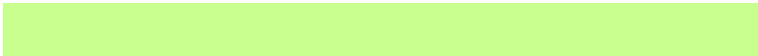
Harmonies

Analogous

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



78.0169, 85.7825, 30.4636



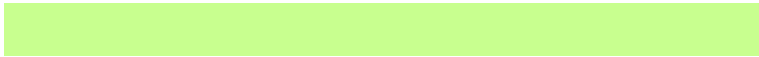
64.5373, 85.7825, 39.1428



56.4667, 85.7825, 62.7359

Triad

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



64.5373, 85.7825, 39.1428



69.9722, 85.7825, 199.6385



115.9851, 85.7825, 83.5505

Complementary

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



64.5373, 85.7825, 39.1428



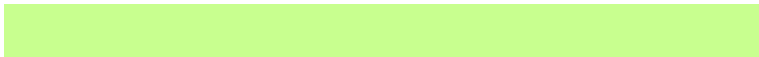
51.1624, 38.8720, 99.4142

Split Complementary

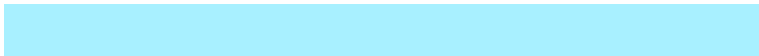
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



113.0991, 85.7825, 132.7194



64.5373, 85.7825, 39.1428



85.1547, 85.7825, 210.7732

Square

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



64.5373, 85.7825, 39.1428



59.3064, 85.7825, 156.3742



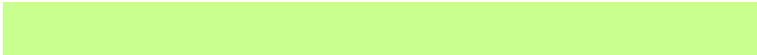
101.2793, 85.7825, 183.1556



108.7182, 85.7825, 50.1149

Rectangle

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



64.5373, 85.7825, 39.1428



54.5649, 85.7825, 88.3956



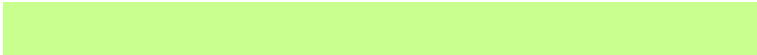
101.2793, 85.7825, 183.1556



116.1831, 85.7825, 98.5951

Sweetspot

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



64.5376, 85.7826, 39.1441



84.4270, 95.0880, 82.9059



66.1951, 63.2371, 34.7050



17.7143, 20.1872, 16.9004



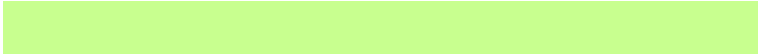
0.0000, 0.0000, 0.0000



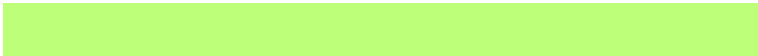
20.3446, 21.4041, 23.3091

Same Dimension

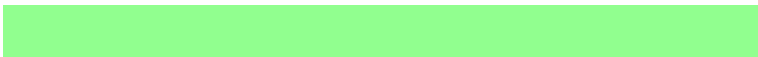
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.5376, 85.7826, 39.1441



60.0357, 83.6440, 30.7023



52.3723, 79.5112, 38.5747



18.6529, 20.6225, 19.1418



23.6504, 39.9303, 6.4608



2.4289, 3.9529, 0.6350

Inverse Universe

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



51.1624, 38.8720, 99.4142



45.0516, 31.0836, 98.2330



68.4295, 47.7735, 100.2223



17.8524, 17.8157, 22.7478



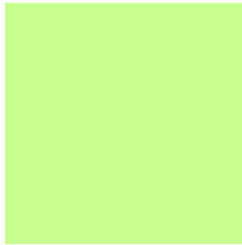
14.0394, 6.1481, 49.8813



1.4927, 0.6634, 4.8627

Previews

White Background



This preview shows how the XYZ color 64.5373, 85.7825, 39.1428 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 64.5373, 85.7825, 39.1428 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

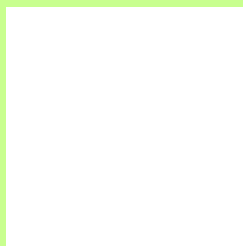
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.5373, 85.7825, 39.1428

Background



This preview shows how black text looks on a background with the XYZ color 64.5373, 85.7825, 39.1428.



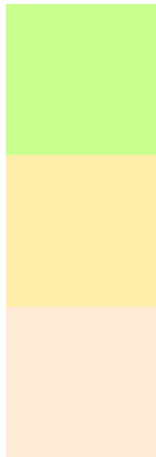
This preview shows how white text looks on a background with the XYZ color 64.5373, 85.7825,

39.1428.

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

64.5373, 85.7825, 39.1428

Protanopia

79.0702, 85.3114, 50.3295

Deuteranopia

82.8004, 84.9607, 75.6533



Tritanopia

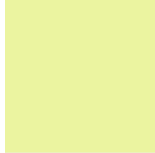
79.3343, 85.0698, 106.8465

Trichromacy



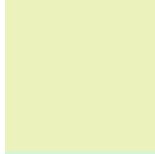
Original Color

64.5373, 85.7825, 39.1428



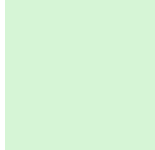
Protanomaly

72.9568, 84.9016, 45.8001



Deuteranomaly

75.0902, 84.7973, 59.9868



Tritanomaly

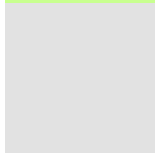
72.5216, 84.4560, 76.0977

Monochromacy



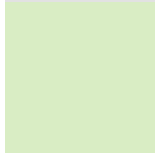
Original Color

64.5373, 85.7825, 39.1428



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

68.8633, 79.3056, 63.9026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5373, 85.7825, 39.1428 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(200, 255, 143)` looks like.

```
.text, #text, p{  
    color:rgb(200, 255, 143)  
}
```

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(200, 255, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 255, 143) }
```

Border

The CSS property to change the border of an element to XYZ 64.5373, 85.7825, 39.1428 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(200, 255, 143) }
```


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

```
.border{ border-color:rgb(200, 255, 143) }
```

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

Here you see how a box with a 4 pixel rgb(200, 255, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 255, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 255, 143);  
box-shadow:4px 4px 4px 4px rgb(200, 255,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5373, 85.7825, 39.1428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 255, 143) }
```

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

```
.background{ background-color: rgb(200,  
255, 143) }
```

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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