

Converting Colors

XYZ(116.6330, 190.6954,
63.7489)

Have a look what the booklet for
XYZ(116.6330, 190.6954, 63.7489)
contains.

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Color

**XYZ(64.0975, 85.3955,
46.3624)**

Conversions

Conversions Part 1

Format	Color
Hex	C1FFA0
RGB	193, 255, 160
RGB Percent	76%, 100%, 63%
CMY	0.2431, 0.0000, 0.3725
CMYK	0.24, 0.00, 0.37, 0.00
HSL	99°, 100%, 81%
HSV	99°, 37%, 100%
XYZ	64.0975, 85.3955, 46.3624
YIQ	225.6320, -6.4570, -42.6890

Conversions

Conversions Part 2

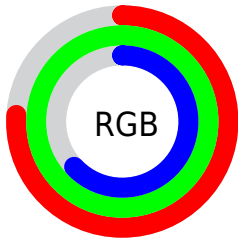
Format	Color
RYB	160, 255, 222
Decimal	12713888
CIELab	94.05, -35.90, 39.28
CIELCh	94, 53.216, 132.423
Yxy	85.3955, 0.3273, 0.4360
Android (android.graphics.Color)	4290903968 (0xFFC1FFA0)
YUV	225.6320, -32.3566, -28.6183
Hunter-Lab	92.4097, -37.9052, 34.9407

Details

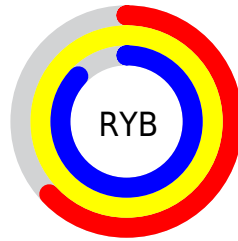
The XYZ color **64.0975, 85.3955, 46.3624** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **60.7461, 47.8925, 100.6502**, and the grayscale version is **72.2521, 76.0148, 82.7802**.

A 20% lighter version of the original color is **87.9383, 96.9871, 79.0513**, and **33.1645, 46.7681, 21.1891** is the 20% darker color. If you saturate the color by 10%, you get **58.0839, 82.5272, 35.6066**, and if you desaturate by 10%, it is **71.0470, 88.6934, 59.5527**.

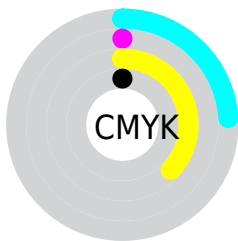
Distribution



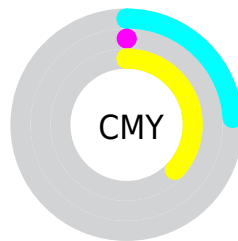
- Red (76%)
- Green (100%)
- Blue (63%)



- Red (63%)
- Yellow (100%)
- Blue (87%)



- Cyan (24%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)



- Cyan (24%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.0975, 85.3955, 46.3624 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 64.0975, 85.3955, 46.3624 by changing the saturation by 10% instead.

64.0975, 85.3955,
46.3624

64.0975, 85.3955,
46.3624

429.1383,
512.9358, 388.5835

46.9916, 64.1682,
32.1812

109.8243,
140.9256, 86.1011

33.2370, 46.7869,
21.2339

139.1759,
175.9972, 112.4956

22.4681, 32.8673,
13.1022

173.3402,
216.4524, 143.7983

14.3198, 22.0248,
7.3674

212.6824,
262.6756, 180.4278

8.4266, 13.8751,
3.6110

257.5680,
315.0511, 222.8025

4.4232, 8.0338,
1.4145

308.3622,

1.9442, 4.1166,

373.9634, 271.3410

0.1530

365.4306,
439.7969, 326.4618

0.6023, 1.7390,
0.0000

0.0000, 0.4487,
0.0000

64.0975, 85.3955,
46.3624

64.0975, 85.3955,
46.3624

58.0839, 82.5272,
35.6066

71.0470, 88.6934,
59.5527

52.9609, 80.0685,
27.1322

78.9719, 92.4382,
75.3099

48.6813, 77.9985,
20.7752

87.9108, 96.6473,
93.7618

45.1917, 76.2940,
16.3477

95.0500, 100.0000,
108.9000

■ 42.4318, 74.9285,
13.6289

■ 40.3274, 73.8701,
12.3340

■ 39.8393, 73.6229,
12.1109

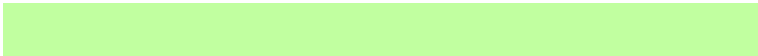
Harmonies

Analogous

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



75.4299, 85.3955, 35.5957



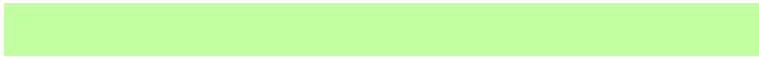
64.0975, 85.3955, 46.3624



57.8104, 85.3955, 71.3008

Triad

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



64.0975, 85.3955, 46.3624



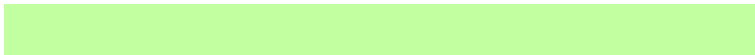
73.1931, 85.3955, 189.2784



110.8721, 85.3955, 77.1458

Complementary

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



64.0975, 85.3955, 46.3624



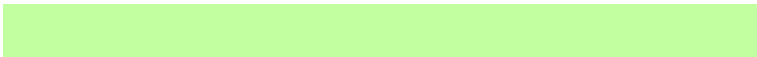
60.7461, 47.8925, 100.6502

Split Complementary

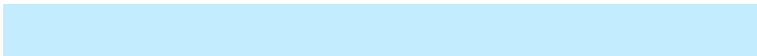
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



110.0913, 85.3955, 118.6632



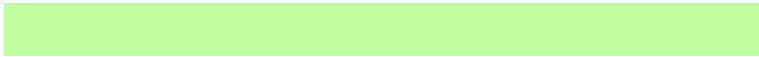
64.0975, 85.3955, 46.3624



87.1855, 85.3955, 192.2177

Square

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



64.0975, 85.3955, 46.3624



62.6251, 85.3955, 156.3718



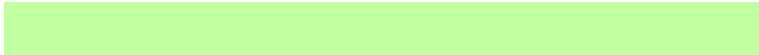
101.0234, 85.3955, 163.5117



103.0463, 85.3955, 49.5608

Rectangle

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



64.0975, 85.3955, 46.3624



56.8185, 85.3955, 96.3285



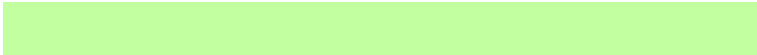
101.0234, 85.3955, 163.5117



111.6312, 85.3955, 89.7124

Sweetspot

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



64.0979, 85.3957, 46.3637



84.4410, 95.0151, 86.5261



73.6406, 75.9085, 44.0295



17.8127, 20.2142, 17.9802



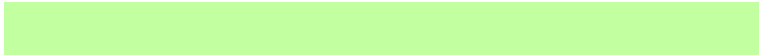
0.0000, 0.0000, 0.0000



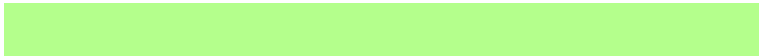
20.3446, 21.4041, 23.3091

Same Dimension

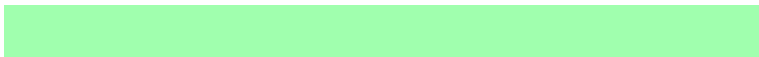
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.0979, 85.3957, 46.3637



59.3599, 83.1372, 37.8262



57.9224, 82.0597, 52.9598



18.3666, 20.4749, 19.1284



20.9614, 38.5441, 6.3350



2.1534, 3.8109, 0.6221

Inverse Universe

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



60.7461, 47.8925, 100.6502



55.5303, 40.5177, 99.5017



69.6512, 52.7385, 89.5323



18.1443, 17.9661, 22.7614



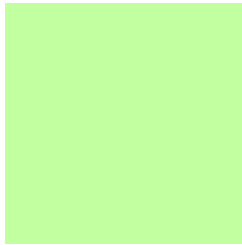
17.8624, 8.1189, 50.0602



1.8571, 0.8513, 4.8797

Previews

White Background



This preview shows how the XYZ color 64.0975, 85.3955, 46.3624 looks on a white background.

Color Contrast Check

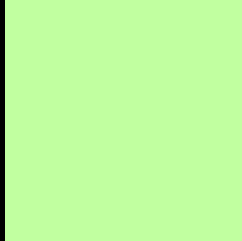
Large Text (above 18pt) WCAG AA × Fail

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 64.0975, 85.3955, 46.3624 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 64.0975, 85.3955, 46.3624

Background



This preview shows how black text looks on a background with the XYZ color 64.0975, 85.3955, 46.3624.



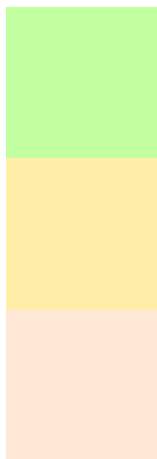
This preview shows how white text looks on a background with the XYZ color 64.0975, 85.3955,

46.3624.

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

64.0975, 85.3955, 46.3624

Protanopia

78.5921, 84.6555, 49.2437

Deuteranopia

82.5165, 84.3929, 75.5587



Tritanopia

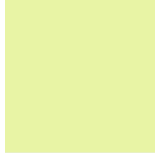
78.4187, 85.0360, 106.8882

Trichromacy



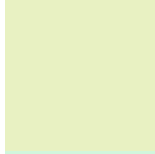
Original Color

64.0975, 85.3955, 46.3624



Protanomaly

72.4209, 84.5738, 48.1047



Deuteranomaly

74.4716, 83.9614, 63.3200



Tritanomaly

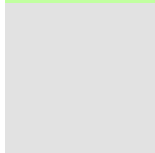
72.1685, 84.6342, 80.2425

Monochromacy



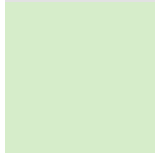
Original Color

64.0975, 85.3955, 46.3624



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

68.6764, 79.1288, 67.5309

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.0975, 85.3955, 46.3624 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(193, 255, 160)` looks like.

```
.text, #text, p{  
    color:rgb(193, 255, 160)  
}
```

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(193, 255, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 255, 160) }
```

Border

The CSS property to change the border of an element to XYZ 64.0975, 85.3955, 46.3624 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(193, 255, 160) }
```


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

```
.border{ border-color:rgb(193, 255, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 255, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 255, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 255, 160);  
box-shadow:4px 4px 4px 4px rgb(193, 255,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 64.0975, 85.3955, 46.3624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 255, 160) }
```

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

```
.background{ background-color: rgb(193,  
255, 160) }
```

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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