

Converting Colors

XYZ(64.6996, 85.6957, 46.8512)

Have a look what the booklet for
XYZ(64.6996, 85.6957, 46.8512)
contains.

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Color

**XYZ(64.6987, 85.6953,
46.8491)**

Conversions

Conversions Part 1

Format	Color
Hex	C3FFA1
RGB	195, 255, 161
RGB Percent	76%, 100%, 63%
CMY	0.2353, 0.0000, 0.3686
CMYK	0.24, 0.00, 0.37, 0.00
HSL	98°, 100%, 82%
HSV	98°, 37%, 100%
XYZ	64.6987, 85.6953, 46.8491
YIQ	226.3440, -5.5860, -41.9540

Conversions

Conversions Part 2

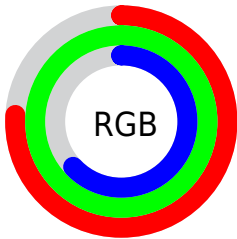
Format	Color
RYB	161, 255, 221
Decimal	12844961
CIELab	94.18, -35.09, 38.98
CIElCh	94, 52.446, 131.992
Yxy	85.6953, 0.3280, 0.4345
Android (android.graphics.Color)	4291035041 (0xFFC3FFA1)
YUV	226.3440, -32.2146, -27.4887
Hunter-Lab	92.5718, -37.2463, 34.7945

Details

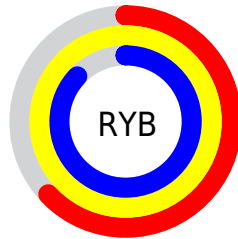
The XYZ color **64.6987, 85.6953, 46.8491** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **60.6148, 48.0832, 100.6940**, and the grayscale version is **72.7662, 76.5557, 83.3691**.

A 20% lighter version of the original color is **88.7924, 97.4124, 79.7683**, and **33.5483, 46.9598, 21.4833** is the 20% darker color. If you saturate the color by 10%, you get **58.6953, 82.8343, 36.0028**, and if you desaturate by 10%, it is **71.6200, 88.9765, 60.1345**.

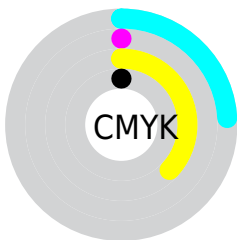
Distribution



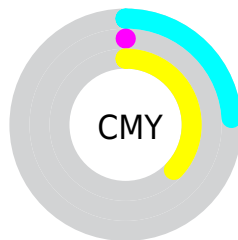
- Red (76%)
- Green (100%)
- Blue (63%)



- 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 64.6987, 85.6953, 46.8491 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 64.6987, 85.6953, 46.8491 by changing the saturation by 10% instead.


 64.6987, 85.6953,
46.8491


 64.6987, 85.6953,
46.8491


431.2708,
513.9260, 390.5882

 47.4806, 64.4160,
32.5629


 110.6847,
141.3442, 86.8360

 33.6253, 46.9877,
21.5234


 140.1833,
176.4826, 113.3737

 22.7674, 33.0260,
13.3122


174.5061,
217.0096, 144.8323

 14.5416, 22.1463,
7.5106

214.0185,
263.3095, 181.6304

 8.5825, 13.9645,
3.7002

259.0858,
315.7667, 224.1865

 4.5248, 8.0959,
1.4624

310.0734,

 2.0031, 4.1564,

374.7655, 272.9191

0.1896

367.3466,
440.6905, 328.2469

■ 0.6357, 1.7614,
0.0000

■ 0.0000, 0.4630,
0.0000

■ 64.6987, 85.6953,
46.8491

■ 64.6987, 85.6953,
46.8491

■ 58.6953, 82.8343,
36.0028

■ 71.6200, 88.9765,
60.1345

■ 53.5658, 80.3741,
27.4432

■ 79.4977, 92.6948,
75.9911

■ 49.2643, 78.2946,
21.0070

■ 88.3694, 96.8668,
94.5460

■ 45.7390, 76.5732,
16.5075

95.0500, 100.0000,
108.9000

■ 42.9312, 75.1844,
13.7254

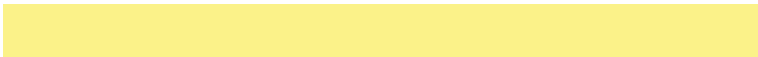
■ 40.7698, 74.0976,
12.3833

■ 40.1967, 73.8072,
12.1276

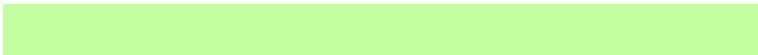
Harmonies

Analogous

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



75.9720, 85.6953, 36.2902



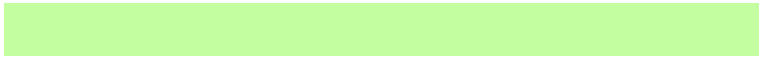
64.6987, 85.6953, 46.8491



58.3893, 85.6953, 71.3970

Triad

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



64.6987, 85.6953, 46.8491



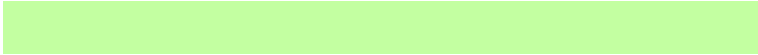
73.3901, 85.6953, 187.7877



110.8001, 85.6953, 78.1545

Complementary

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



64.6987, 85.6953, 46.8491



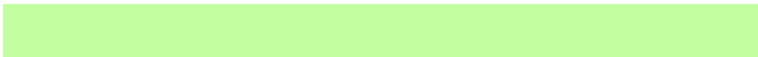
60.6148, 48.0832, 100.6940

Split Complementary

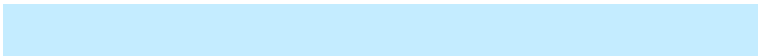
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



109.9026, 85.6953, 119.2966



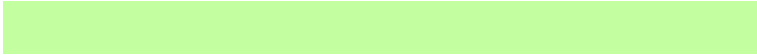
64.6987, 85.6953, 46.8491



87.1869, 85.6953, 191.1542

Square

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



64.6987, 85.6953, 46.8491



62.9961, 85.6953, 155.1477



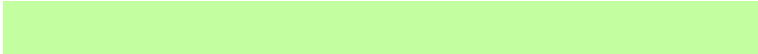
100.8705, 85.6953, 163.3381



103.1978, 85.6953, 50.5667

Rectangle

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



64.6987, 85.6953, 46.8491



57.3497, 85.6953, 96.0193



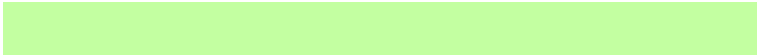
100.8705, 85.6953, 163.3381



111.5045, 85.6953, 90.6475

Sweetspot

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



64.6991, 85.6955, 46.8504



84.5751, 95.0842, 86.5324



73.4069, 75.3007, 44.3850



17.8446, 20.2306, 17.9817



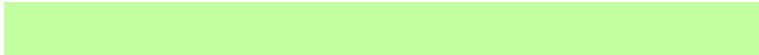
0.0000, 0.0000, 0.0000



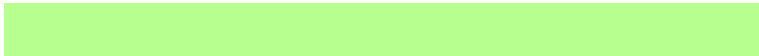
20.3446, 21.4041, 23.3091

Same Dimension

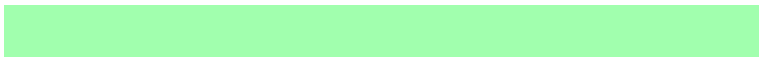
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.6991, 85.6955, 46.8504



60.3221, 83.6113, 38.8665



58.0533, 82.1353, 52.6015



18.3917, 20.4878, 19.1295



21.1519, 38.6423, 6.3439



2.1740, 3.8215, 0.6230

Inverse Universe

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



60.6148, 48.0832, 100.6940



55.6963, 41.1641, 99.6177



70.0826, 53.1896, 90.9455



18.1181, 17.9526, 22.7602



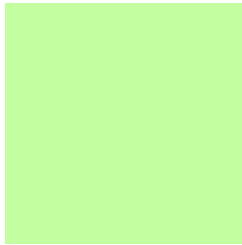
17.4684, 7.9158, 50.0418



1.8205, 0.8324, 4.8780

Previews

White Background



This preview shows how the XYZ color 64.6987, 85.6953, 46.8491 looks on a white background.

Color Contrast Check

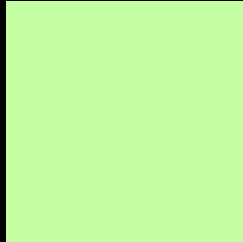
Large Text (above 18pt) WCAG AA × Fail

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 64.6987, 85.6953, 46.8491 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

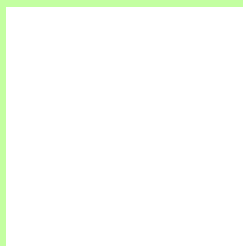
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.6987, 85.6953, 46.8491

Background



This preview shows how black text looks on a background with the XYZ color 64.6987, 85.6953, 46.8491.



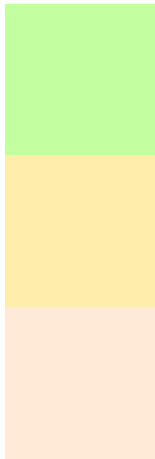
This preview shows how white text looks on a background with the XYZ color 64.6987, 85.6953,

46.8491.

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

64.6987, 85.6953, 46.8491

Protanopia

78.8749, 84.7686, 50.7329

Deuteranopia

82.9286, 85.0119, 76.3281



Tritanopia

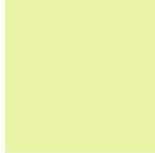
78.7187, 85.1907, 106.9023

Trichromacy



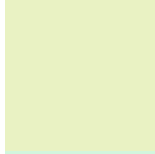
Original Color

64.6987, 85.6953, 46.8491



Protanomaly

72.9300, 84.8150, 49.0863



Deuteranomaly

75.2067, 84.7680, 64.0278



Tritanomaly

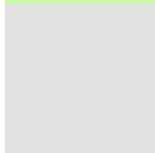
72.5853, 84.8336, 80.9555

Monochromacy



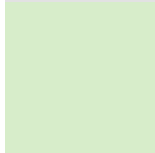
Original Color

64.6987, 85.6953, 46.8491



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

68.9692, 79.2797, 67.5446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6987, 85.6953, 46.8491 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(195, 255, 161)` looks like.

```
.text, #text, p{  
    color:rgb(195, 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(195, 255, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 255, 161) }
```

Border

The CSS property to change the border of an element to XYZ 64.6987, 85.6953, 46.8491 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(195, 255, 161) }
```


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

```
.border{ border-color:rgb(195, 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(195, 255, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 255, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 255, 161);  
box-shadow:4px 4px 4px 4px rgb(195, 255,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6987, 85.6953, 46.8491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 255, 161) }
```

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

```
.background{ background-color: rgb(195,  
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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