

Converting Colors

XYZ(68.8713, 83.2527, 74.9234)

Have a look what the booklet for
XYZ(68.8713, 83.2527, 74.9234)
contains.

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Color

**XYZ(68.6588, 82.9444,
74.6785)**

Conversions

Conversions Part 1

Format	Color
Hex	C8F6D4
RGB	200, 246, 212
RGB Percent	78%, 96%, 83%
CMY	0.2157, 0.0353, 0.1686
CMYK	0.19, 0.00, 0.14, 0.04
HSL	136°, 72%, 87%
HSV	136°, 19%, 96%
XYZ	68.6588, 82.9444, 74.6785
YIQ	228.3700, -16.5020, -20.3260

Conversions

Conversions Part 2

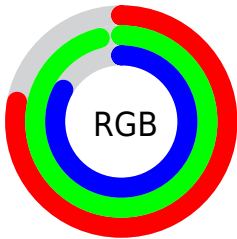
Format	Color
R_{YB}	200, 236, 246
Decimal	13170388
CIE _{Lab}	92.99, -21.15, 11.54
CIE _{LCh}	93, 24.095, 151.393
Yxy	82.9444, 0.3034, 0.3666
Android (android.graphics.Color)	4291360468 (0xFFC8F6D4)
YUV	228.3700, -8.0704, -24.8805
Hunter-Lab	91.0738, -24.8115, 15.1352

Details

The XYZ color **68.6588, 82.9444, 74.6785** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.5145, 66.8437, 86.8730**, and the grayscale version is **74.0815, 77.9395, 84.8761**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.1763, 45.2810, 38.7317** is the 20% darker color. If you saturate the color by 10%, you get **60.4439, 78.9621, 62.9877**, and if you desaturate by 10%, it is **78.1937, 87.5820, 87.7831**.

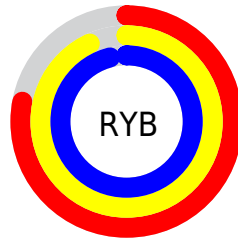
Distribution



Red (78%)

Green (96%)

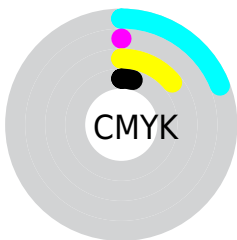
Blue (83%)



Red (78%)

Yellow (93%)

Blue (96%)

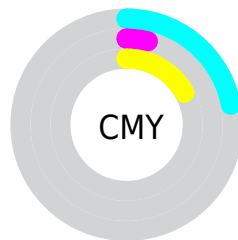


Cyan (19%)

Magenta (0%)

Yellow (14%)

Black (4%)



Cyan (22%)

Magenta (4%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6588, 82.9444, 74.6785 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 68.6588, 82.9444, 74.6785 by changing the saturation by 10% instead.

68.6588, 82.9444,
74.6785

68.6588, 82.9444,
74.6785

445.1669,
504.8012, 496.0377

50.7095, 62.1443,
54.8494

116.3308,
137.4976, 127.6001

36.1976, 45.1493,
38.8834

146.7843,
172.0194, 161.5296

24.7576, 31.5750,
26.3619

182.1366,
211.8840, 200.9964

16.0244, 21.0371,
16.8664

222.7529,
257.4757, 246.4190

9.6323, 13.1511,
9.9783

268.9988,
309.1788, 298.2158

5.2163, 7.5327,
5.2792

321.2395,

2.4108, 3.7974,

367.3779, 356.8055

2.3504

379.8404,
432.4572, 422.6067

■ 0.8505, 1.5609,
0.7592

■ 0.0000, 0.3310,
0.0000

■ 68.6588, 82.9444,
74.6785

■ 68.6588, 82.9444,
74.6785

■ 60.4439, 78.9621,
62.9877

■ 78.1937, 87.5820,
87.7831

■ 53.4833, 75.5952,
52.6579

■ 89.0970, 92.8919,
102.3409

■ 47.7156, 72.8154,
43.6410

■ 92.2474, 94.3948,
107.9658

■ 43.0714, 70.5882,
35.8840

■ 39.4743, 68.8751,
29.3304

■ 36.8374, 67.6328,
23.9192

■ 35.0593, 66.8103,
19.5838

■ 33.9967, 66.3351,
16.2496

■ 33.8877, 66.2869,
15.8849

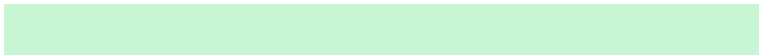
Harmonies

Analogous

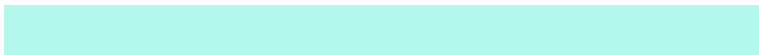
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.6847, 82.9444, 63.7843



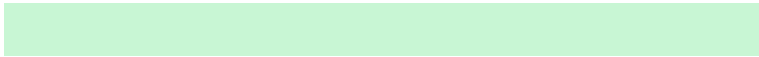
68.6588, 82.9444, 74.6785



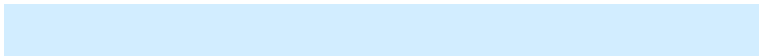
67.3203, 82.9444, 91.1593

Triad

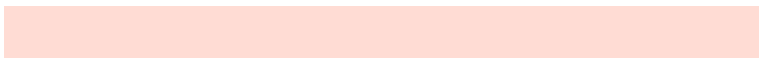
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.6588, 82.9444, 74.6785



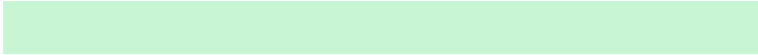
79.1314, 82.9444, 129.6855



89.6510, 82.9444, 73.3975

Complementary

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



68.6588, 82.9444, 74.6785



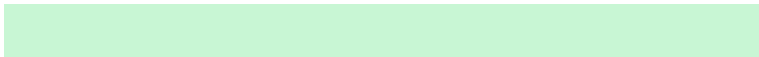
73.5145, 66.8437, 86.8730

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.



91.5956, 82.9444, 89.4706



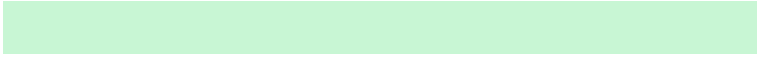
68.6588, 82.9444, 74.6785



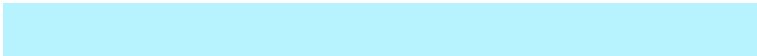
85.3253, 82.9444, 123.3324

Square

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



68.6588, 82.9444, 74.6785



73.1694, 82.9444, 124.3746



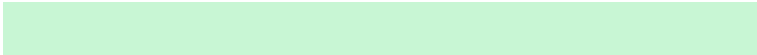
89.9726, 82.9444, 107.9887



84.7882, 82.9444, 63.1170

Rectangle

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



68.6588, 82.9444, 74.6785



68.0721, 82.9444, 103.5864



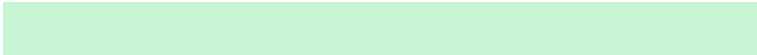
89.9726, 82.9444, 107.9887



90.6790, 82.9444, 78.2237

Sweetspot

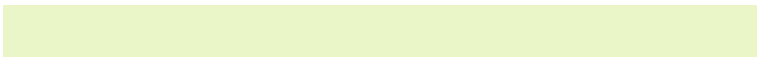
The Sweet Spot groups the original color and five complimentary colors.



68.6611, 82.9479, 74.6803



87.8757, 96.5057, 99.3382



77.4804, 87.6629, 67.4813



18.6489, 20.5783, 21.0471



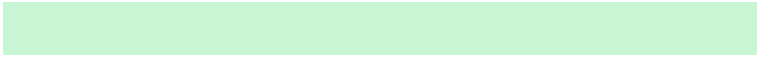
0.0000, 0.0000, 0.0000



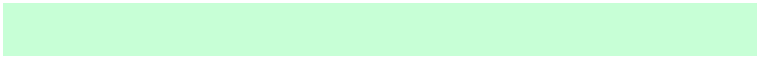
20.3446, 21.4041, 23.3091

Same Dimension

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



68.6611, 82.9479, 74.6803



71.3648, 88.4797, 76.6239



71.7010, 84.1639, 90.6885



16.4596, 18.5430, 18.4388



18.1356, 35.3991, 8.7340



1.6344, 3.1274, 0.9807

Inverse Universe

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



73.5145, 66.8437, 86.8730



77.4230, 68.3739, 91.8401



70.4835, 65.6313, 70.9119



17.0182, 16.6901, 19.8426



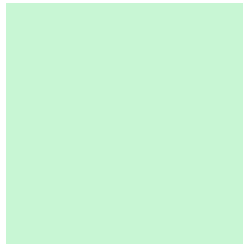
24.8440, 12.2811, 24.9508



2.2255, 1.0961, 2.4136

Previews

White Background



This preview shows how the XYZ color 68.6588, 82.9444, 74.6785 looks on a white background.

Color Contrast Check

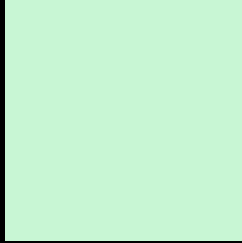
Large Text (above 18pt) WCAG AA × Fail

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 68.6588, 82.9444, 74.6785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

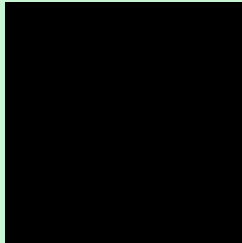
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

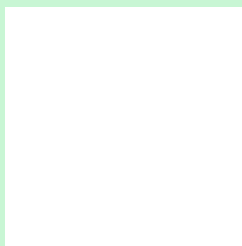
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.6588, 82.9444, 74.6785

Background



This preview shows how black text looks on a background with the XYZ color 68.6588, 82.9444, 74.6785.



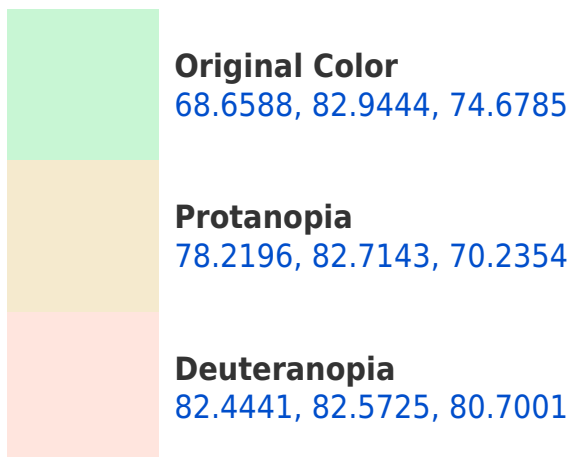
This preview shows how white text looks on a background with the XYZ color 68.6588, 82.9444,

74.6785.

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





Tritanopia

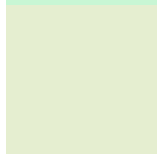
76.0679, 82.9501, 106.6095

Trichromacy



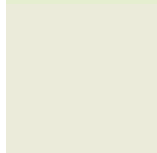
Original Color

68.6588, 82.9444, 74.6785



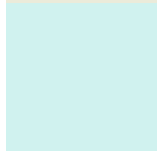
Protanomaly

74.2728, 82.3612, 71.6572



Deuteranomaly

76.6242, 82.1408, 78.1459



Tritanomaly

73.3445, 83.1462, 93.8445

Monochromacy



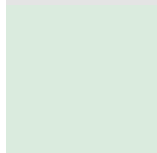
Original Color

68.6588, 82.9444, 74.6785



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

71.8066, 79.5960, 80.6862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6588, 82.9444, 74.6785 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, 246, 212)` looks like.

```
.text, #text, p{  
    color:rgb(200, 246, 212)  
}
```

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, 246, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 246, 212) }
```

Border

The CSS property to change the border of an element to XYZ 68.6588, 82.9444, 74.6785 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, 246, 212) }
```


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

```
.border{ border-color:rgb(200, 246, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 246, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 246, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 246, 212);  
box-shadow:4px 4px 4px 4px rgb(200, 246,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6588, 82.9444, 74.6785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 246, 212) }
```

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

```
.background{ background-color: rgb(200,  
246, 212) }
```

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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