

Converting Colors

XYZ(91.0177, 106.6221,
69.7241)

Have a look what the booklet for
XYZ(91.0177, 106.6221, 69.7241)
contains.

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Color

**XYZ(85.8525, 96.1528,
68.0673)**

Conversions

Conversions Part 1

Format	Color
Hex	FBFFC7
RGB	251, 255, 199
RGB Percent	98%, 100%, 78%
CMY	0.0157, 0.0000, 0.2196
CMYK	0.02, 0.00, 0.22, 0.00
HSL	64°, 100%, 89%
HSV	64°, 22%, 100%
XYZ	85.8525, 96.1528, 68.0673
YIQ	247.4200, 15.5920, -18.2640

Conversions

Conversions Part 2

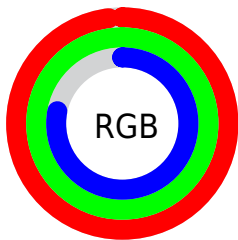
Format	Color
RYB	199, 255, 203
Decimal	16515015
CIELab	98.49, -10.18, 26.39
CIELCh	98, 28.285, 111.087
Yxy	96.1528, 0.3433, 0.3845
Android (android.graphics.Color)	4294705095 (0xFFFFBFFC7)
YUV	247.4200, -23.8711, 3.1397
Hunter-Lab	98.0575, -15.3182, 27.4837

Details

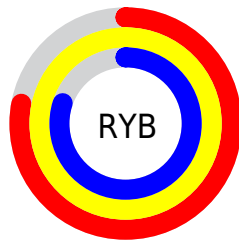
The XYZ color **85.8525, 96.1528, 68.0673** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **63.1030, 60.7646, 103.0106**, and the grayscale version is **88.9285, 93.5597, 101.8865**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.5531, 53.9018, 34.6858** is the 20% darker color. If you saturate the color by 10%, you get **82.4824, 94.7293, 53.7278**, and if you desaturate by 10%, it is **89.7260, 97.7783, 85.0227**.

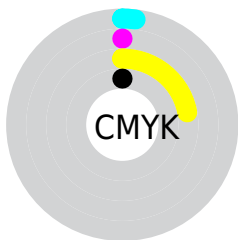
Distribution



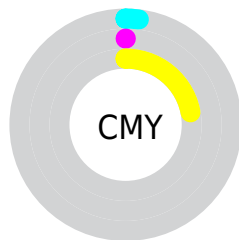
- Red (98%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (80%)



- Cyan (2%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)




- Cyan (2%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.8525, 96.1528, 68.0673 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 85.8525, 96.1528, 68.0673 by changing the saturation by 10% instead.


 85.8525, 96.1528,
68.0673

 85.8525, 96.1528,
68.0673

502.8860,
547.8490, 472.3390

 64.8709, 73.0948,
49.4855


140.4715,
155.8563, 118.1035

 47.6207, 54.0535,
34.6364


174.8396,
193.2706, 150.3950

 33.7366, 38.6444,
23.1016


214.4006,
236.2391, 188.0935

 22.8533, 26.4832,
14.4626

259.5198,
285.1463, 231.6174

 14.6053, 17.1855,
8.3007

310.5626,
340.3764, 281.3854

 8.6273, 10.3668,
4.1974

367.8943,

 4.5541, 5.6429,

402.3140, 337.8159

1.7343

431.8803,
471.3434, 401.3276

■ 2.0201, 2.6292,
0.3841

■ 0.6452, 0.9413,
0.0000

■ 85.8525, 96.1528,
68.0673

■ 85.8525, 96.1528,
68.0673

■ 82.4824, 94.7293,
53.7278

■ 89.7260, 97.7783,
85.0227

■ 79.5897, 93.4975,
41.8699

■ 94.1245, 99.6146,
104.7110

■ 77.1479, 92.4468,
32.3538

■ 95.0500, 100.0000,
108.9000

■ 75.1274, 91.5654,
25.0241

■ 73.4953, 90.8400,
19.7064

■ 72.2133, 90.2554,
16.2000

■ 71.2354, 89.7931,
14.2628

■ 70.6142, 89.4880,
13.5512

Harmonies

Analogous

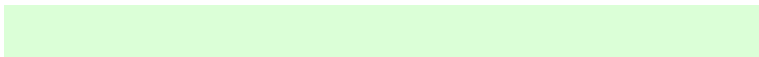
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.8468, 96.1528, 66.2303



85.8525, 96.1528, 68.0673



79.7004, 96.1528, 78.8931

Triad

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



85.8525, 96.1528, 68.0673



81.8708, 96.1528, 143.7608



107.8103, 96.1528, 111.8229

Complementary

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



85.8525, 96.1528, 68.0673



63.1030, 60.7646, 103.0106

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.



104.1708, 96.1528, 135.5837



85.8525, 96.1528, 68.0673



88.9772, 96.1528, 155.7452

Square

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



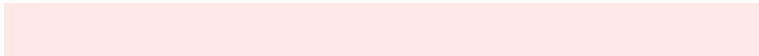
85.8525, 96.1528, 68.0673



77.4986, 96.1528, 121.7347



97.1614, 96.1528, 152.5484



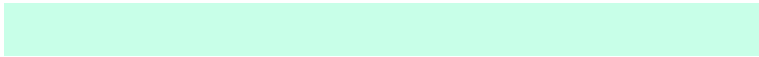
106.8502, 96.1528, 89.3228

Rectangle

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



85.8525, 96.1528, 68.0673



77.3161, 96.1528, 90.7737



97.1614, 96.1528, 152.5484



107.0766, 96.1528, 119.9695

Sweetspot

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



85.8530, 96.1530, 68.0687



91.8405, 98.6622, 94.4389



72.8426, 67.9707, 63.3146



19.6011, 21.0941, 19.9607



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

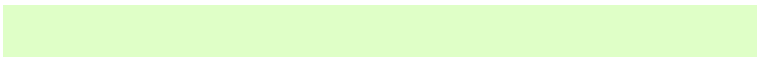
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8530, 96.1530, 68.0687



84.4321, 95.5541, 61.9673



76.5831, 91.3742, 67.6348



19.4256, 21.0208, 19.1779



36.9517, 46.7874, 7.0833



3.6347, 4.5745, 0.6914

Inverse Universe

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



63.1030, 60.7646, 103.0106



58.2866, 54.8810, 102.1288



71.3433, 65.0126, 103.3962



17.1231, 17.4397, 22.7137



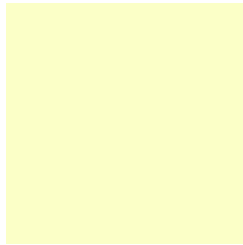
9.6074, 3.8633, 49.6739



0.9753, 0.3967, 4.8384

Previews

White Background



This preview shows how the XYZ color 85.8525, 96.1528, 68.0673 looks on a white background.

Color Contrast Check

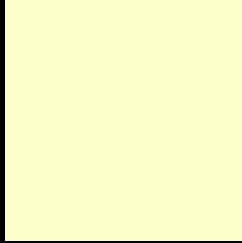
Large Text (above 18pt) WCAG AA × Fail

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 85.8525, 96.1528, 68.0673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

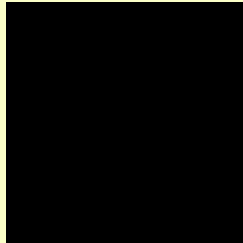
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.8525, 96.1528, 68.0673

Background



This preview shows how black text looks on a background with the XYZ color 85.8525, 96.1528, 68.0673.



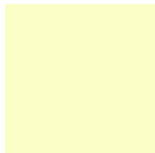
This preview shows how white text looks on a background with the XYZ color 85.8525, 96.1528,

68.0673.

Color Blindness Simulation

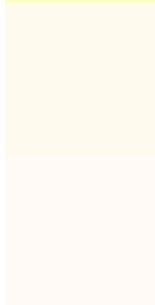
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

85.8525, 96.1528, 68.0673



Protanopia

90.8582, 95.8043, 94.5922

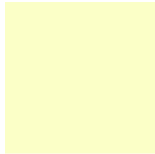
Deuteranopia

92.0602, 96.2850, 100.9216

Tritanopia

92.4337, 95.8540, 108.2376

Trichromacy



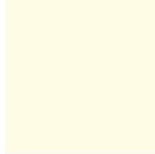
Original Color

85.8525, 96.1528, 68.0673



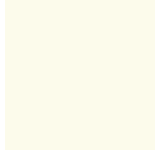
Protanomaly

89.1380, 96.0735, 84.3670



Deuteranomaly

89.8263, 96.3488, 87.9916



Tritanomaly

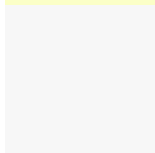
89.6375, 95.6880, 92.3425

Monochromacy



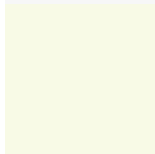
Original Color

85.8525, 96.1528, 68.0673



Achromatopsia

88.4070, 93.0111, 101.2891



Achromatomaly

87.1799, 94.0408, 88.4197

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.8525, 96.1528, 68.0673 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(251, 255, 199)` looks like.

```
.text, #text, p{  
    color:rgb(251, 255, 199)  
}
```

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(251, 255, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 255, 199) }
```

Border

The CSS property to change the border of an element to XYZ 85.8525, 96.1528, 68.0673 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(251, 255, 199) }
```


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

```
.border{ border-color:rgb(251, 255, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 255, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 255, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 255, 199);  
box-shadow:4px 4px 4px 4px rgb(251, 255,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 85.8525, 96.1528, 68.0673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 255, 199) }
```

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

```
.background{ background-color: rgb(251,  
255, 199) }
```

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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