

Converting Colors

XYZ(121.9664, 168.3693,
86.0181)

Have a look what the booklet for
XYZ(121.9664, 168.3693, 86.0181)
contains.

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Color

**XYZ(85.8566, 96.0305,
73.6851)**

Conversions

Conversions Part 1

Format	Color
Hex	F8FFD0
RGB	248, 255, 208
RGB Percent	97%, 100%, 82%
CMY	0.0274, 0.0000, 0.1843
CMYK	0.03, 0.00, 0.18, 0.00
HSL	69°, 100%, 91%
HSV	69°, 18%, 100%
XYZ	85.8566, 96.0305, 73.6851
YIQ	247.5490, 10.9150, -16.1010

Conversions

Conversions Part 2

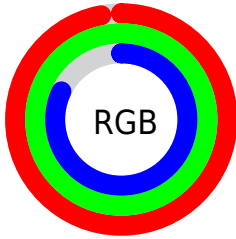
Format	Color
R _Y B	208, 255, 215
Decimal	16318416
CIE Lab	98.44, -9.96, 21.73
CIE LCh	98, 23.900, 114.627
Yxy	96.0305, 0.3359, 0.3757
Android (android.graphics.Color)	4294508496 (0xFFFF8FFD0)
YUV	247.5490, -19.4977, 0.3955
Hunter-Lab	97.9952, -15.1021, 24.0149

Details

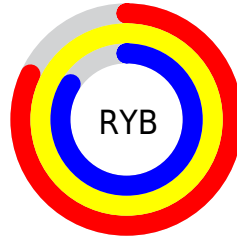
The XYZ color **85.8566, 96.0305, 73.6851** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **68.6310, 66.7800, 103.8803**, and the grayscale version is **89.0020, 93.6371, 101.9707**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.4297, 53.7644, 38.0148** is the 20% darker color. If you saturate the color by 10%, you get **81.6344, 94.1877, 58.4060**, and if you desaturate by 10%, it is **90.6118, 98.0898, 91.6249**.

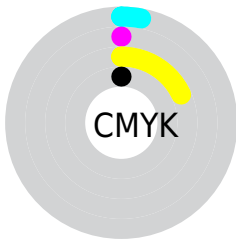
Distribution



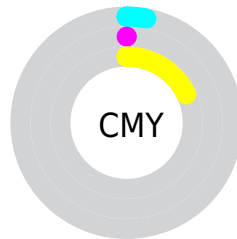
- Red (97%)
- Green (100%)
- Blue (82%)



- Red (82%)
- Yellow (100%)
- Blue (84%)



- Cyan (3%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)



- Cyan (3%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 85.8566, 96.0305, 73.6851 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 85.8566, 96.0305, 73.6851 by changing the saturation by 10% instead.

85.8566, 96.0305,
73.6851

85.8566, 96.0305,
73.6851

502.8993,
547.4588, 492.5201

64.8743, 72.9930,
54.0411

140.4772,
155.6875, 126.1792

47.6235, 53.9702,
38.2411

174.8462,
193.0758, 159.8665

33.7388, 38.5778,
25.8666

214.4082,
236.0164, 199.0718

22.8550, 26.4315,
16.4990

259.5284,
284.8938, 244.2139

14.6065, 17.1467,
9.7198

310.5723,
340.0923, 295.7113

8.6282, 10.3391,
5.1104

367.9051,

4.5547, 5.6244,

401.9964, 353.9824

2.2523

431.8924,
470.9904, 419.4458

■ 2.0205, 2.6181,
0.7043

■ 0.6454, 0.9358,
0.0000

■ 85.8566, 96.0305,
73.6851

■ 85.8566, 96.0305,
73.6851

■ 81.6344, 94.1877,
58.4060

■ 90.6118, 98.0898,
91.6249

■ 77.9192, 92.5508,
45.6565

95.0500, 100.0000,
108.9000

■ 74.6853, 91.1095,
35.3011

■ 71.9042, 89.8525,
27.1898

■ 69.5440, 88.7669,
21.1554

■ 67.5683, 87.8381,
17.0079

■ 65.9344, 87.0491,
14.5223

■ 64.5821, 86.3758,
13.3833

■ 64.3827, 86.2755,
13.2595

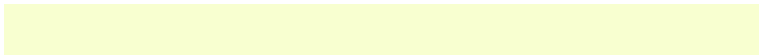
Harmonies

Analogous

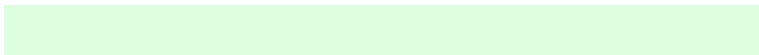
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.5221, 96.0305, 71.1111



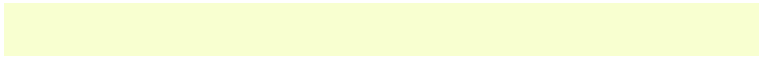
85.8566, 96.0305, 73.6851



80.8781, 96.0305, 84.0717

Triad

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



85.8566, 96.0305, 73.6851



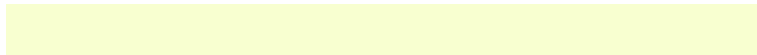
83.8073, 96.0305, 138.7028



105.1301, 96.0305, 108.1594

Complementary

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



85.8566, 96.0305, 73.6851



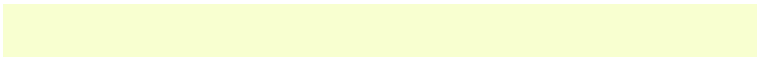
68.6310, 66.7800, 103.8803

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.



102.5249, 96.0305, 128.1347



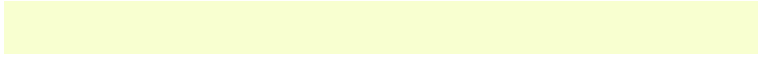
85.8566, 96.0305, 73.6851



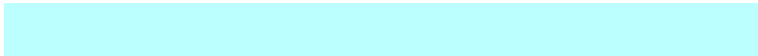
90.0374, 96.0305, 147.1345

Square

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



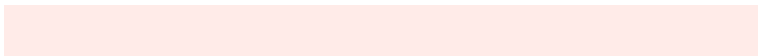
85.8566, 96.0305, 73.6851



79.7374, 96.0305, 121.2063



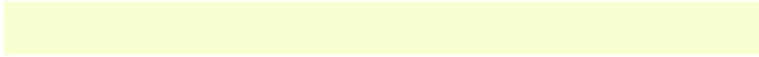
96.9149, 96.0305, 143.0429



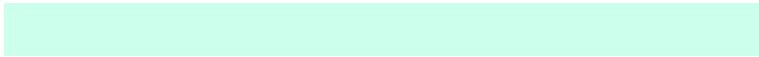
103.8732, 96.0305, 89.5137

Rectangle

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



85.8566, 96.0305, 73.6851



79.0703, 96.0305, 94.8081



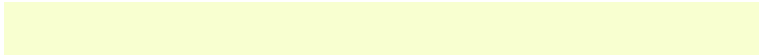
96.9149, 96.0305, 143.0429



104.6732, 96.0305, 114.9606

Sweetspot

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



85.8572, 96.0308, 73.6865



91.8503, 98.6239, 96.3999



76.7400, 74.0433, 69.9230



19.5878, 21.0786, 20.3554



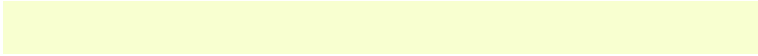
0.0000, 0.0000, 0.0000



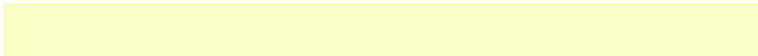
20.3446, 21.4041, 23.3091

Same Dimension

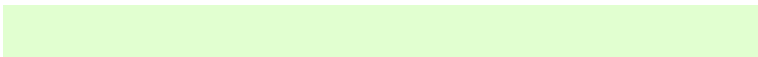
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8572, 96.0308, 73.6865



84.2901, 95.3486, 67.9335



78.2700, 92.1195, 73.3314



19.2797, 20.9456, 19.1711



33.7423, 45.1329, 6.9331



3.3544, 4.4300, 0.6783

Inverse Universe

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



68.6310, 66.7800, 103.8803



64.2537, 61.3229, 103.0577



75.7882, 70.4697, 104.2153



17.2547, 17.5075, 22.7198



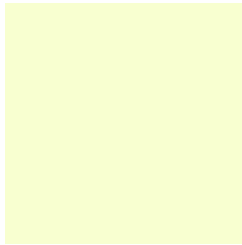
9.9237, 4.0263, 49.6887



1.0372, 0.4286, 4.8413

Previews

White Background



This preview shows how the XYZ color 85.8566, 96.0305, 73.6851 looks on a white background.

Color Contrast Check

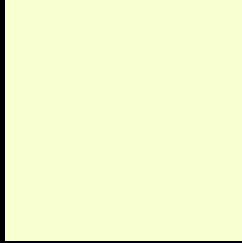
Large Text (above 18pt) WCAG AA × Fail

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 85.8566, 96.0305, 73.6851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

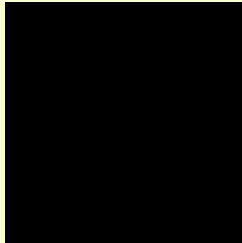
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.8566, 96.0305, 73.6851

Background



This preview shows how black text looks on a background with the XYZ color 85.8566, 96.0305, 73.6851.



This preview shows how white text looks on a background with the XYZ color 85.8566, 96.0305,

73.6851.

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

85.8566, 96.0305, 73.6851

Protanopia

90.8582, 95.8043, 94.5922

Deuteranopia

91.7502, 95.6652, 100.8182

Tritanopia

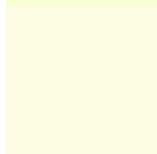
92.0706, 95.6668, 108.2206

Trichromacy



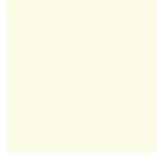
Original Color

85.8566, 96.0305, 73.6851



Protanomaly

88.8204, 95.8623, 86.4950



Deuteranomaly

89.2076, 95.5160, 90.0786



Tritanomaly

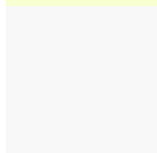
89.7135, 95.6766, 94.6280

Monochromacy



Original Color

85.8566, 96.0305, 73.6851



Achromatopsia

89.2221, 93.8686, 102.2229



Achromatomaly

87.9166, 94.8340, 90.7619

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.8566, 96.0305, 73.6851 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(248, 255, 208)` looks like.

```
.text, #text, p{  
    color:rgb(248, 255, 208)  
}
```

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(248, 255, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 255, 208) }
```

Border

The CSS property to change the border of an element to XYZ 85.8566, 96.0305, 73.6851 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(248, 255, 208) }
```


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

```
.border{ border-color:rgb(248, 255, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 255, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 255, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 255, 208);  
box-shadow:4px 4px 4px 4px rgb(248, 255,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 85.8566, 96.0305, 73.6851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 255, 208) }
```

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

```
.background{ background-color: rgb(248,  
255, 208) }
```

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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