

Converting Colors

XYZ(85.8710, 96.0585, 72.7600)

Have a look what the booklet for
XYZ(85.8710, 96.0585, 72.7600)
contains.

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Color

**XYZ(86.0894, 96.1647,
73.0557)**

Conversions

Conversions Part 1

Format	Color
Hex	F9FFCF
RGB	249, 255, 207
RGB Percent	98%, 100%, 81%
CMY	0.0235, 0.0000, 0.1882
CMYK	0.02, 0.00, 0.19, 0.00
HSL	67°, 100%, 91%
HSV	67°, 19%, 100%
XYZ	86.0894, 96.1647, 73.0557
YIQ	247.7340, 11.8320, -16.2000

Conversions

Conversions Part 2

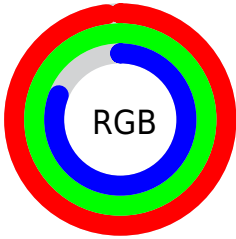
Format	Color
R _Y B	207, 255, 213
Decimal	16383951
CIE Lab	98.50, -9.75, 22.32
CIE LCh	98, 24.357, 113.603
Yxy	96.1647, 0.3372, 0.3767
Android (android.graphics.Color)	4294574031 (0xFF99FFCF)
YUV	247.7340, -20.0819, 1.1103
Hunter-Lab	98.0636, -14.9073, 24.4745

Details

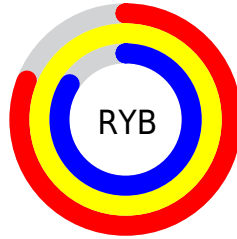
The XYZ color **86.0894, 96.1647, 73.0557** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **67.8043, 65.9930, 103.7720**, and the grayscale version is **89.1571, 93.8002, 102.1484**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.5998, 53.8616, 37.5933** is the 20% darker color. If you saturate the color by 10%, you get **82.0928, 94.4360, 57.8879**, and if you desaturate by 10%, it is **90.6099, 98.1053, 90.8790**.

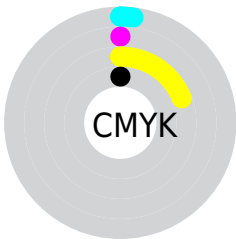
Distribution



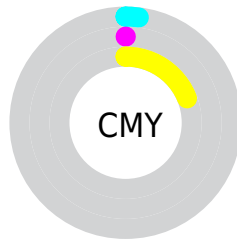
- Red (98%)
- Green (100%)
- Blue (81%)



- Red (81%)
- Yellow (100%)
- Blue (84%)



- Cyan (2%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (2%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.0894, 96.1647, 73.0557 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 86.0894, 96.1647, 73.0557 by changing the saturation by 10% instead.


 86.0894, 96.1647,
73.0557

 86.0894, 96.1647,
73.0557


503.6555,
547.8870, 490.2838

 65.0674, 73.1047,
53.5294


140.8004,
155.8727, 125.2779

 47.7807, 54.0616,
37.8349


175.2202,
193.2895, 158.8110

 33.8637, 38.6509,
25.5538


214.8366,
236.2608, 197.8500

 22.9513, 26.4883,
16.2674

260.0149,
285.1708, 242.8135

 14.6781, 17.1893,
9.5571

311.1207,
340.4041, 294.1201

 8.6786, 10.3695,
5.0046

368.5191,

 4.5876, 5.6447,

402.3449, 352.1883

2.1912

432.5756,
471.3777, 417.4367

■ 2.0396, 2.6302,
0.6693

■ 0.6561, 0.9419,
0.0000

■ 86.0894, 96.1647,
73.0557

■ 86.0894, 96.1647,
73.0557

■ 82.0928, 94.4360,
57.8879

■ 90.6099, 98.1053,
90.8790

■ 78.5943, 92.9087,
45.2442

95.0500, 100.0000,
108.9000

■ 75.5681, 91.5725,
34.9886

■ 72.9857, 90.4160,
26.9704

■ 70.8151, 89.4264,
21.0220

■ 69.0198, 88.5891,
16.9520

■ 67.5566, 87.8869,
14.5336

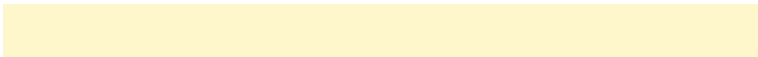
■ 66.3632, 87.2946,
13.4380

■ 66.2309, 87.2283,
13.3460

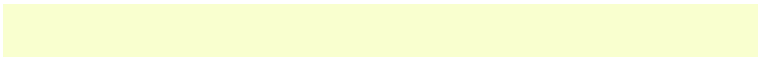
Harmonies

Analogous

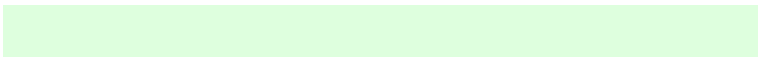
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.9178, 96.1647, 70.7202



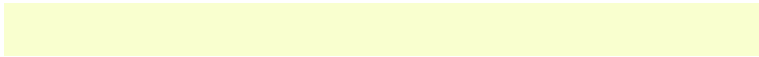
86.0894, 96.1647, 73.0557



80.9355, 96.1647, 83.3517

Triad

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



86.0894, 96.1647, 73.0557



83.6043, 96.1647, 139.1052



105.5209, 96.1647, 109.0849

Complementary

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



86.0894, 96.1647, 73.0557



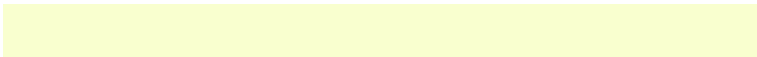
67.8043, 65.9930, 103.7720

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.



102.7333, 96.1647, 129.4299



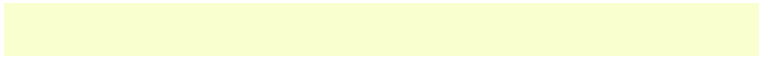
86.0894, 96.1647, 73.0557



89.9021, 96.1647, 148.1394

Square

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



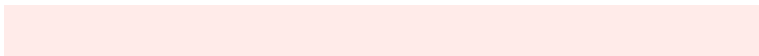
86.0894, 96.1647, 73.0557



79.5531, 96.1647, 121.0049



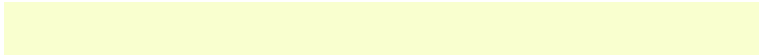
96.9281, 96.1647, 144.3893



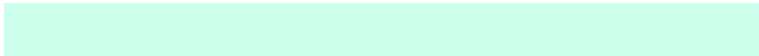
104.3719, 96.1647, 89.9425

Rectangle

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



86.0894, 96.1647, 73.0557



79.0239, 96.1647, 94.1427



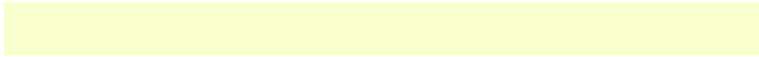
96.9281, 96.1647, 144.3893



105.0088, 96.1647, 116.0335

Sweetspot

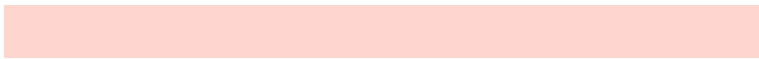
The Sweet Spot groups the original color and five complimentary colors.



86.0900, 96.1650, 73.0571



91.9836, 98.6926, 96.4061



76.1970, 73.1535, 69.1369



19.6194, 21.0948, 20.3569



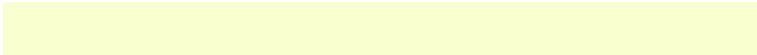
0.0000, 0.0000, 0.0000



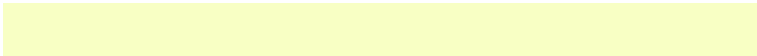
20.3446, 21.4041, 23.3091

Same Dimension

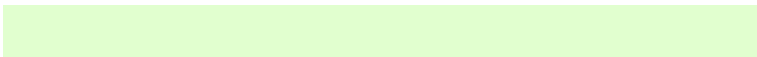
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.0900, 96.1650, 73.0571



84.3580, 95.4176, 66.4050



78.1993, 92.0972, 72.6878



19.3246, 20.9688, 19.1732



34.6949, 45.6240, 6.9777



3.4381, 4.4731, 0.6822

Inverse Universe

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



67.8043, 65.9930, 103.7720



62.6833, 59.6502, 102.8176



75.1552, 69.7825, 104.1160



17.2139, 17.4865, 22.7179



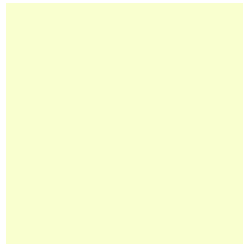
9.8059, 3.9656, 49.6832



1.0181, 0.4187, 4.8404

Previews

White Background



This preview shows how the XYZ color 86.0894, 96.1647, 73.0557 looks on a white background.

Color Contrast Check

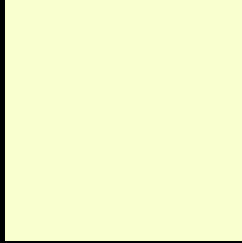
Large Text (above 18pt) WCAG AA × Fail

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 86.0894, 96.1647, 73.0557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

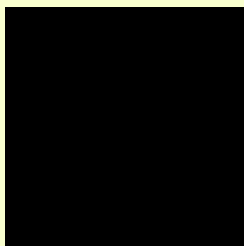
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

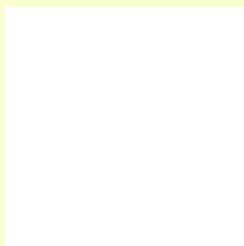
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 86.0894, 96.1647, 73.0557

Background



This preview shows how black text looks on a background with the XYZ color 86.0894, 96.1647, 73.0557.



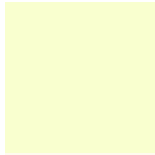
This preview shows how white text looks on a background with the XYZ color 86.0894, 96.1647,

73.0557.

Color Blindness Simulation

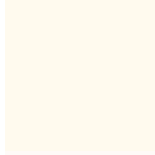
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

86.0894, 96.1647, 73.0557



Protanopia

90.8582, 95.8043, 94.5922



Deuteranopia

92.2141, 96.3466, 101.7322

Tritanopia

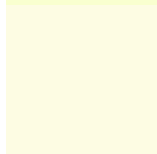
92.3805, 96.2867, 108.3240

Trichromacy



Original Color

86.0894, 96.1647, 73.0557



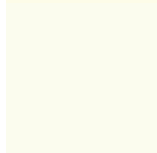
Protanomaly

89.1835, 96.0495, 86.5120



Deuteranomaly

89.8839, 96.3296, 90.2000



Tritanomaly

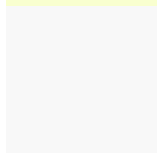
90.0267, 96.3031, 94.7324

Monochromacy



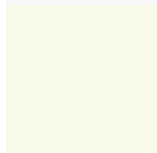
Original Color

86.0894, 96.1647, 73.0557



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 86.0894, 96.1647, 73.0557 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(249, 255, 207)` looks like.

```
.text, #text, p{  
    color:rgb(249, 255, 207)  
}
```

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(249, 255, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 207) }
```

Border

The CSS property to change the border of an element to XYZ 86.0894, 96.1647, 73.0557 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(249, 255, 207) }
```


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

```
.border{ border-color:rgb(249, 255, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 255, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(249, 255,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 86.0894, 96.1647, 73.0557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 255, 207) }
```

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

```
.background{ background-color: rgb(249,  
255, 207) }
```

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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