

Converting Colors

XYZ(86.2631, 96.0630, 81.7066)

Have a look what the booklet for
XYZ(86.2631, 96.0630, 81.7066)
contains.

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Color

**XYZ(86.3345, 96.0998,
81.7089)**

Conversions

Conversions Part 1

Format	Color
Hex	F5FFDC
RGB	245, 255, 220
RGB Percent	96%, 100%, 86%
CMY	0.0392, 0.0000, 0.1372
CMYK	0.04, 0.00, 0.14, 0.00
HSL	77°, 100%, 93%
HSV	77°, 14%, 100%
XYZ	86.3345, 96.0998, 81.7089
YIQ	248.0200, 5.2750, -13.0050

Conversions

Conversions Part 2

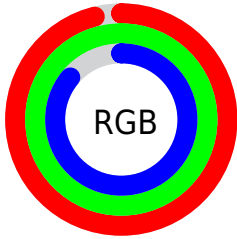
Format	Color
RYB	220, 255, 230
Decimal	16121820
CIELab	98.47, -9.18, 15.62
CIELCh	98, 18.118, 120.453
Yxy	96.0998, 0.3268, 0.3638
Android (android.graphics.Color)	4294311900 (0xFFFF5FFDC)
YUV	248.0200, -13.8139, -2.6485
Hunter-Lab	98.0305, -14.3502, 19.2029

Details

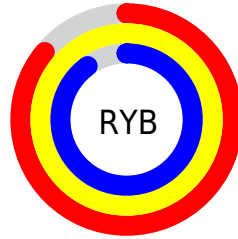
The XYZ color **86.3345, 96.0998, 81.7089** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **76.2771, 75.2305, 105.1085**, and the grayscale version is **89.3452, 93.9981, 102.3639**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.9719, 53.9236, 43.4772** is the 20% darker color. If you saturate the color by 10%, you get **80.7187, 93.5657, 65.1407**, and if you desaturate by 10%, it is **92.5669, 98.8922, 100.9978**.

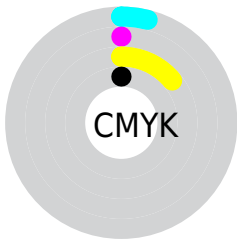
Distribution



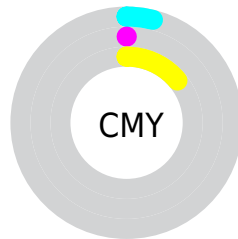
- Red (96%)
- Green (100%)
- Blue (86%)



- Red (86%)
- Yellow (100%)
- Blue (90%)



- Cyan (4%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)



- Cyan (4%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 86.3345, 96.0998, 81.7089 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 86.3345, 96.0998, 81.7089 by changing the saturation by 10% instead.

86.3345, 96.0998,
81.7089

86.3345, 96.0998,
81.7089

504.4509,
547.6799, 520.5313

65.2708, 73.0507,
60.5912

141.1406,
155.7831, 137.5987

47.9462, 54.0174,
43.4669

175.6137,
193.1862, 173.2079

33.9954, 38.6156,
29.9175

215.2874,
236.1426, 214.4847

23.0529, 26.4608,
19.5245

260.5269,
285.0368, 261.8476

14.7535, 17.1687,
11.8692

311.6977,
340.2533, 315.7152

8.7318, 10.3548,
6.5332

369.1650,

4.6223, 5.6349,

402.1764, 376.5060

3.0980

433.2943,
471.1904, 444.6385

■ 2.0599, 2.6243,
1.1449

■ 0.6673, 0.9389,
0.0000

■ 86.3345, 96.0998,
81.7089

■ 86.3345, 96.0998,
81.7089

■ 80.7187, 93.5657,
65.1407

■ 92.5669, 98.8922,
100.9978

■ 75.6932, 91.2790,
51.1662

95.0500, 100.0000,
108.9000

■ 71.2323, 89.2295,
39.6551

■ 67.3078, 87.4057,
30.4636

■ 63.8882, 85.7949,
23.4335

■ 60.9386, 84.3830,
18.3862

■ 58.4184, 83.1536,
15.1153

■ 56.2785, 82.0869,
13.3685

■ 55.0863, 81.4831,
12.8245

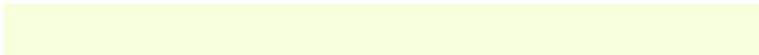
Harmonies

Analogous

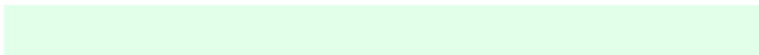
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.2604, 96.0998, 78.3846



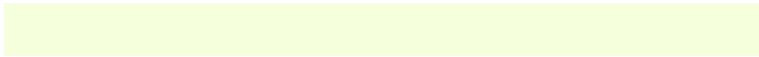
86.3345, 96.0998, 81.7089



82.8631, 96.0998, 91.0594

Triad

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



86.3345, 96.0998, 81.7089



86.4674, 96.0998, 131.7611



101.7757, 96.0998, 104.4085

Complementary

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



86.3345, 96.0998, 81.7089



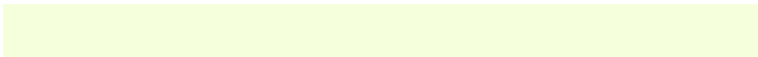
76.2771, 75.2305, 105.1085

Split Complementary

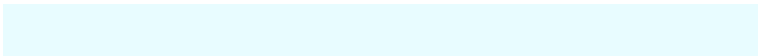
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.3761, 96.0998, 119.5000



86.3345, 96.0998, 81.7089



91.4196, 96.0998, 136.1786

Square

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



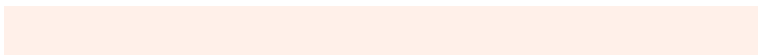
86.3345, 96.0998, 81.7089



82.9377, 96.0998, 119.9319



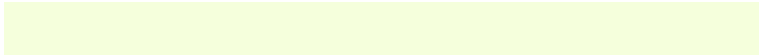
96.5353, 96.0998, 131.4955



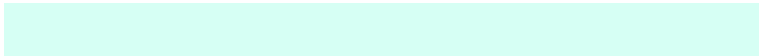
100.2914, 96.0998, 90.6999

Rectangle

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



86.3345, 96.0998, 81.7089



81.7723, 96.0998, 99.9294



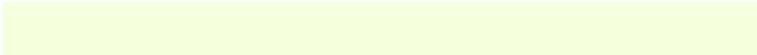
96.5353, 96.0998, 131.4955



101.6263, 96.0998, 109.4888

Sweetspot

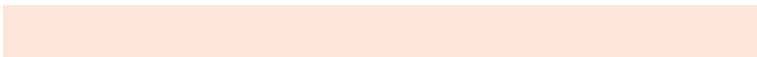
The Sweet Spot groups the original color and five complimentary colors.



86.3351, 96.1001, 81.7103



92.3869, 98.8119, 100.4295



82.4325, 82.9754, 79.3827



19.6699, 21.1030, 21.1660



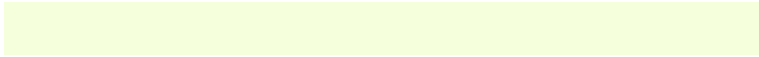
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

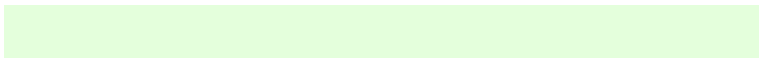
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.3351, 96.1001, 81.7103



85.0040, 95.5012, 77.7057



80.5419, 93.1136, 81.4392



19.0258, 20.8147, 19.1592



28.9382, 42.6563, 6.7083



2.9253, 4.2088, 0.6582

Inverse Universe

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



76.2771, 75.2305, 105.1085



73.4662, 71.5600, 104.5481



82.1487, 78.2575, 105.3832



17.4904, 17.6290, 22.7308



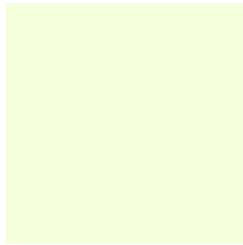
10.9874, 4.5747, 49.7385



1.1718, 0.4980, 4.8476

Previews

White Background



This preview shows how the XYZ color 86.3345, 96.0998, 81.7089 looks on a white background.

Color Contrast Check

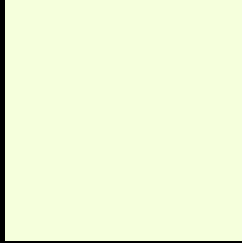
Large Text (above 18pt) WCAG AA × Fail

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 86.3345, 96.0998, 81.7089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

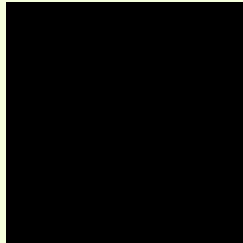
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

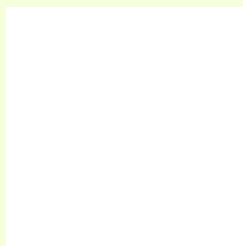
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 86.3345, 96.0998, 81.7089

Background



This preview shows how black text looks on a background with the XYZ color 86.3345, 96.0998, 81.7089.



This preview shows how white text looks on a background with the XYZ color 86.3345, 96.0998,

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

86.3345, 96.0998, 81.7089

Protanopia

91.0056, 95.8632, 95.3683

Deuteranopia

91.9042, 95.7268, 101.6289

Tritanopia

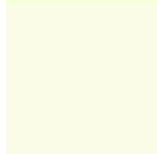
92.0193, 96.1004, 108.3070

Trichromacy



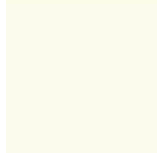
Original Color

86.3345, 96.0998, 81.7089



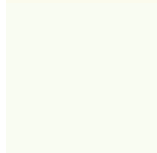
Protanomaly

89.1596, 95.9562, 90.1661



Deuteranomaly

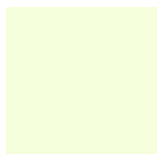
89.5669, 95.6180, 93.8562



Tritanomaly

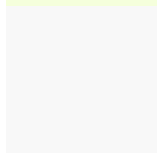
89.9043, 96.1713, 97.8289

Monochromacy



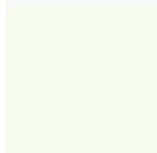
Original Color

86.3345, 96.0998, 81.7089



Achromatopsia

89.2221, 93.8686, 102.2229



Achromatomaly

88.2876, 94.9416, 94.5612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.3345, 96.0998, 81.7089 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(245, 255, 220)` looks like.

```
.text, #text, p{  
    color:rgb(245, 255, 220)  
}
```

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(245, 255, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 255, 220) }
```

Border

The CSS property to change the border of an element to XYZ 86.3345, 96.0998, 81.7089 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(245, 255, 220) }
```


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

```
.border{ border-color:rgb(245, 255, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 255, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(245, 255,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 86.3345, 96.0998, 81.7089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 255, 220) }
```

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

```
.background{ background-color: rgb(245,  
255, 220) }
```

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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