

Converting Colors

XYZ(86.0642, 93.4618, 70.6607)

Have a look what the booklet for
XYZ(86.0642, 93.4618, 70.6607)
contains.

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Color

**XYZ(86.0148, 93.3710,
70.6157)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF9CC
RGB	255, 249, 204
RGB Percent	100%, 98%, 80%
CMY	0.0000, 0.0235, 0.2000
CMYK	0.00, 0.02, 0.20, 0.00
HSL	53°, 100%, 90%
HSV	53°, 20%, 100%
XYZ	86.0148, 93.3710, 70.6157
YIQ	245.6640, 18.0210, -12.7230

Conversions

Conversions Part 2

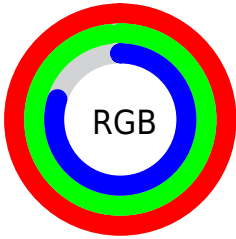
Format	Color
R _Y B	211, 255, 204
Decimal	16775628
CIE Lab	97.38, -5.07, 22.36
CIE LCh	97, 22.927, 102.766
Yxy	93.3710, 0.3441, 0.3735
Android (android.graphics.Color)	4294965708 (0xFFFFF9CC)
YUV	245.6640, -20.5404, 8.1877
Hunter-Lab	96.6287, -10.2069, 24.3113

Details

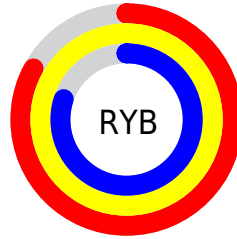
The XYZ color **86.0148, 93.3710, 70.6157** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.9980, 66.1488, 103.8973**, and the grayscale version is **87.4783, 92.0340, 100.2250**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.8637, 52.3477, 36.4356** is the 20% darker color. If you saturate the color by 10%, you get **82.2850, 90.4118, 55.4986**, and if you desaturate by 10%, it is **90.2645, 96.5681, 88.3789**.

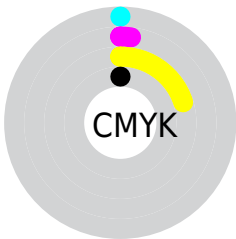
Distribution



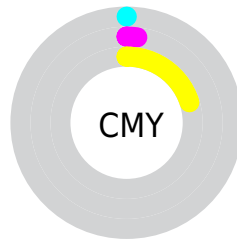
- Red (100%)
- Green (98%)
- Blue (80%)



- Red (83%)
- Yellow (100%)
- Blue (80%)



- Cyan (0%)
- Magenta (2%)
- Yellow (20%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.0148, 93.3710, 70.6157 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 86.0148, 93.3710, 70.6157 by changing the saturation by 10% instead.


 86.0148, 93.3710,
70.6157

 86.0148, 93.3710,
70.6157


503.4132,
538.9367, 481.5563

 65.0055, 70.7799,
51.5487

140.6969,
152.0121, 121.7757

 47.7303, 52.1626,
36.2657


175.1004,
188.8310, 154.7058

 33.8237, 37.1347,
24.3482


214.6993,
231.1612, 193.0941

 22.9204, 25.3118,
15.3775

259.8591,
279.3872, 237.3590

 14.6551, 16.3095,
8.9352

310.9450,
333.8933, 287.9192

 8.6625, 9.7434,
4.6027

368.3224,

 4.5770, 5.2292,

395.0640, 345.1931

1.9615

432.3567,
463.2837, 409.5993

■ 2.0335, 2.3824,
0.5314

■ 0.6527, 0.8168,
0.0000

■ 86.0148, 93.3710,
70.6157

■ 86.0148, 93.3710,
70.6157

■ 82.2850, 90.4118,
55.4986

■ 90.2645, 96.5681,
88.3789

■ 79.0443, 87.6686,
42.8936

95.0500, 100.0000,
108.9000

■ 76.2682, 85.1347,
32.6636

■ 73.9279, 82.7985,
24.6562

■ 71.9910, 80.6467,
18.7014

■ 70.4204, 78.6646,
14.6045

■ 69.1719, 76.8344,
12.1331

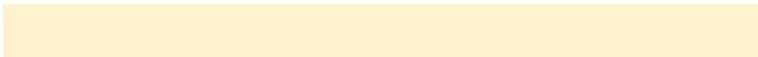
■ 68.1735, 75.1270,
10.9079

■ 68.1734, 75.1269,
10.9078

Harmonies

Analogous

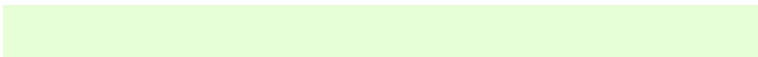
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.4987, 93.3710, 71.1834



86.0148, 93.3710, 70.6157



80.5324, 93.3710, 77.5998

Triad

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



86.0148, 93.3710, 70.6157



79.8887, 93.3710, 127.9405



101.2188, 93.3710, 112.6362

Complementary

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



86.0148, 93.3710, 70.6157



65.9980, 66.1488, 103.8973

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.



97.5006, 93.3710, 130.2530



86.0148, 93.3710, 70.6157



85.0969, 93.3710, 139.8017

Square

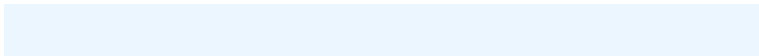
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.0148, 93.3710, 70.6157



77.1133, 93.3710, 109.7764



91.5351, 93.3710, 140.6962



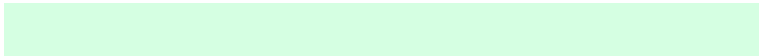
101.4941, 93.3710, 93.9637

Rectangle

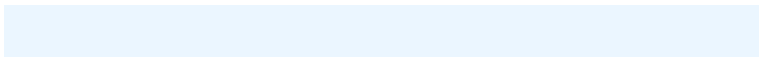
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.0148, 93.3710, 70.6157



78.0972, 93.3710, 86.1577



91.5351, 93.3710, 140.6962



100.3221, 93.3710, 118.9299

Sweetspot

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



86.0170, 93.3750, 70.6177



92.1127, 97.9115, 96.2486



74.5664, 69.1399, 70.9131



19.6500, 20.9096, 20.3195



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.



86.0170, 93.3750, 70.6177



84.4633, 92.1624, 64.2587



81.3514, 93.7641, 70.9387



19.3682, 20.7047, 19.1199



35.6945, 39.4003, 5.7237



3.5248, 3.9350, 0.5738

Inverse Universe

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



65.9980, 66.1488, 103.8973



61.1318, 60.4328, 103.0504



69.9828, 66.0473, 103.6677



17.1749, 17.7214, 22.7653



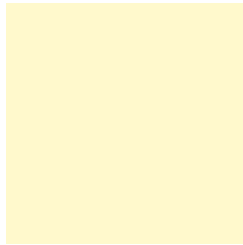
9.7276, 4.3648, 49.7644



0.9996, 0.5300, 4.8629

Previews

White Background



This preview shows how the XYZ color 86.0148, 93.3710, 70.6157 looks on a white background.

Color Contrast Check

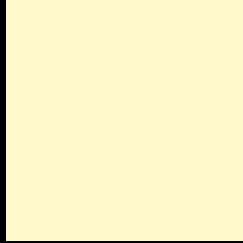
Large Text (above 18pt) WCAG AA × Fail

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 86.0148, 93.3710, 70.6157 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 86.0148, 93.3710, 70.6157

Background



This preview shows how black text looks on a background with the XYZ color 86.0148, 93.3710, 70.6157.



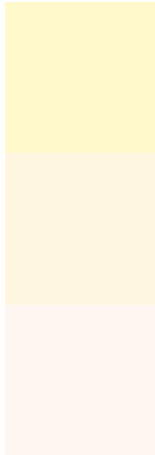
This preview shows how white text looks on a background with the XYZ color 86.0148, 93.3710,

70.6157.

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

86.0148, 93.3710, 70.6157

Protanopia

88.2282, 93.2725, 85.3048

Deuteranopia

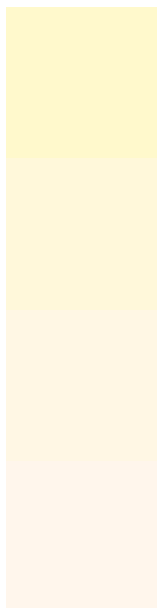
90.0730, 93.5224, 96.5234



Tritanopia

91.4801, 93.1171, 106.9178

Trichromacy



Original Color

86.0148, 93.3710, 70.6157

Protanomaly

87.4623, 93.4568, 79.7589

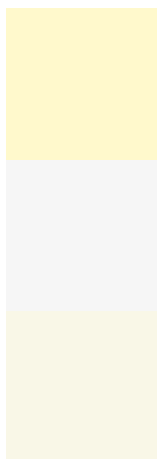
Deuteranomaly

88.5044, 93.3830, 86.7588

Tritanomaly

89.3361, 93.2277, 92.6431

Monochromacy



Original Color

86.0148, 93.3710, 70.6157

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

86.7515, 92.4308, 88.8699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.0148, 93.3710, 70.6157 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(255, 249, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 204)  
}
```

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(255, 249, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 204) }
```

Border

The CSS property to change the border of an element to XYZ 86.0148, 93.3710, 70.6157 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(255, 249, 204) }
```


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

```
.border{ border-color:rgb(255, 249, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 249, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 86.0148, 93.3710, 70.6157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 204) }
```

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

```
.background{ background-color: rgb(255,  
249, 204) }
```

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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