

Converting Colors

XYZ(86.2829, 94.4444, 71.7756)

Have a look what the booklet for
XYZ(86.2829, 94.4444, 71.7756)
contains.

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Color

**XYZ(86.1458, 94.3332,
72.0603)**

Conversions

Conversions Part 1

Format	Color
Hex	FDFBCE
RGB	253, 251, 206
RGB Percent	99%, 98%, 81%
CMY	0.0078, 0.0157, 0.1921
CMYK	0.00, 0.01, 0.19, 0.01
HSL	57°, 92%, 90%
HSV	57°, 19%, 99%
XYZ	86.1458, 94.3332, 72.0603
YIQ	246.4680, 15.6370, -13.5710

Conversions

Conversions Part 2

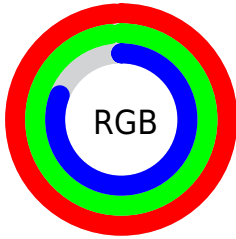
Format	Color
R _Y B	208, 253, 206
Decimal	16645070
CIE Lab	97.77, -6.49, 21.86
CIE LCh	98, 22.802, 106.547
Yxy	94.3332, 0.3411, 0.3735
Android (android.graphics.Color)	4294835150 (0xFFFD FBCE)
YUV	246.4680, -19.9507, 5.7286
Hunter-Lab	97.1253, -11.6477, 23.9986

Details

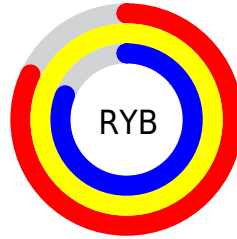
The XYZ color **86.1458, 94.3332, 72.0603** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.7390, 65.3242, 102.0732**, and the grayscale version is **88.1262, 92.7156, 100.9673**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.9476, 53.0330, 37.4150** is the 20% darker color. If you saturate the color by 10%, you get **82.9829, 92.5360, 57.0435**, and if you desaturate by 10%, it is **89.8104, 96.3405, 89.6873**.

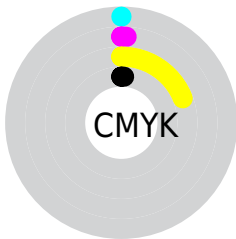
Distribution



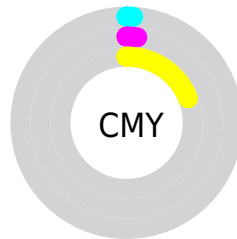
- Red (99%)
- Green (98%)
- Blue (81%)



- Red (82%)
- Yellow (99%)
- Blue (81%)



- Cyan (0%)
- Magenta (1%)
- Yellow (19%)
- Black (1%)





- Cyan (1%)
- Magenta (2%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.1458, 94.3332, 72.0603 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 86.1458, 94.3332, 72.0603 by changing the saturation by 10% instead.


 86.1458, 94.3332,
72.0603

 86.1458, 94.3332,
72.0603


503.8386,
542.0281, 486.7346

 65.1142, 71.5801,
52.7208

140.8787,
153.3431, 123.8508

 47.8187, 52.8158,
37.1937


175.3108,
190.3687, 157.1388

 33.8940, 37.6557,
25.0606


214.9403,
232.9205, 195.9135

 22.9747, 25.7156,
15.9028

260.1328,
281.3831, 240.5933

 14.6954, 16.6110,
9.3018

311.2535,
336.1407, 291.5967

 8.6908, 9.9575,
4.8390

368.6678,

 4.5956, 5.3708,

397.5778, 349.3424

2.0960

432.7410,
466.0788, 414.2489

■ 2.0443, 2.4664,
0.6134

■ 0.6586, 0.8598,
0.0000

■ 86.1458, 94.3332,
72.0603

■ 86.1458, 94.3332,
72.0603

■ 82.9829, 92.5360,
57.0435

■ 89.8104, 96.3405,
89.6873

■ 80.2906, 90.9270,
44.5065

■ 93.7322, 98.4505,
108.6704

■ 78.0458, 89.4999,
34.3167

■ 94.0724, 99.1309,
108.7838

■ 76.2205, 88.2437,
26.3267

■ 94.3183, 99.6228,
108.8658

■ 74.7835, 87.1459,
20.3726

■ 73.6995, 86.1922,
16.2673

■ 72.9263, 85.3659,
13.7897

■ 72.4042, 84.6430,
12.6250

■ 72.3389, 84.5440,
12.5060

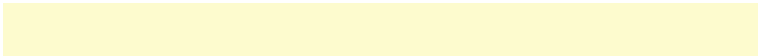
Harmonies

Analogous

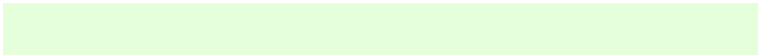
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.6023, 94.3332, 71.6659



86.1458, 94.3332, 72.0603



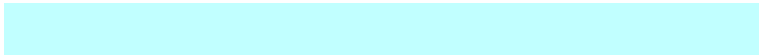
80.8844, 94.3332, 79.9943

Triad

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



86.1458, 94.3332, 72.0603



81.3310, 94.3332, 130.9719



102.3834, 94.3332, 111.2739

Complementary

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



86.1458, 94.3332, 72.0603



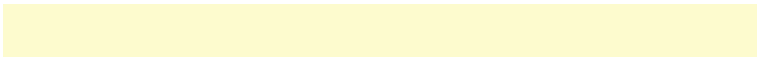
65.7390, 65.3242, 102.0732

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.



99.0503, 94.3332, 129.3706



86.1458, 94.3332, 72.0603



86.7824, 94.3332, 141.6369

Square

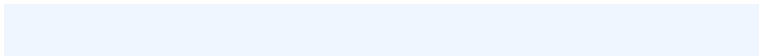
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.1458, 94.3332, 72.0603



78.1980, 94.3332, 113.2557



93.2703, 94.3332, 141.0178



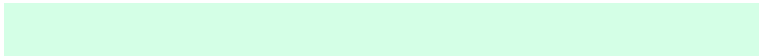
102.1926, 94.3332, 92.8454

Rectangle

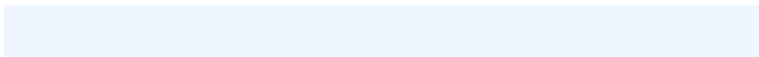
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.1458, 94.3332, 72.0603



78.6694, 94.3332, 89.1058



93.2703, 94.3332, 141.0178



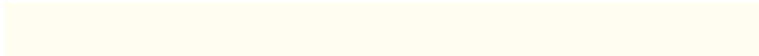
101.6313, 94.3332, 117.6390

Sweetspot

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



86.1483, 94.3374, 72.0623



92.4768, 98.6399, 96.3700



74.0087, 69.5979, 69.4349



19.7364, 21.0823, 20.3483



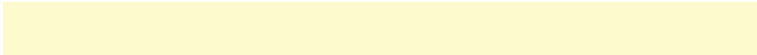
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

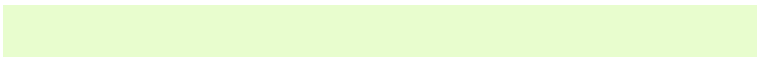
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.1483, 94.3374, 72.0623



86.5423, 95.3892, 67.8227



79.4969, 91.8384, 71.9305



19.4913, 20.9507, 19.1609



38.5098, 45.0308, 6.6621



3.7692, 4.4239, 0.6552

Inverse Universe

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



65.7390, 65.3242, 102.0732



62.5289, 61.2528, 103.1351



71.5280, 67.5911, 102.2057



17.0648, 17.5013, 22.7286



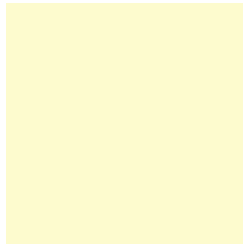
9.5196, 3.9488, 49.6950



0.9477, 0.4261, 4.8456

Previews

White Background



This preview shows how the XYZ color 86.1458, 94.3332, 72.0603 looks on a white background.

Color Contrast Check

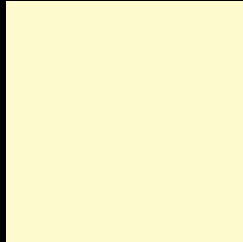
Large Text (above 18pt) WCAG AA × Fail

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 86.1458, 94.3332, 72.0603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

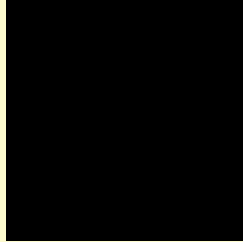
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 86.1458, 94.3332, 72.0603

Background



This preview shows how black text looks on a background with the XYZ color 86.1458, 94.3332, 72.0603.

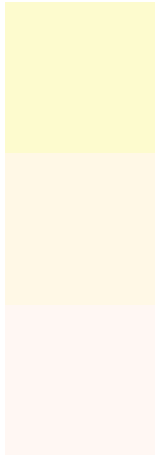


This preview shows how white text looks on a background with the XYZ color 86.1458, 94.3332,

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

86.1458, 94.3332, 72.0603

Protanopia

89.0903, 94.1080, 88.3320

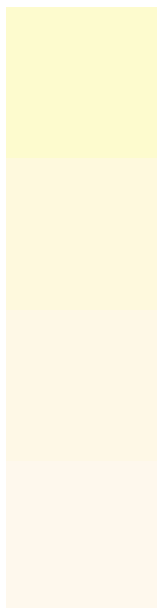
Deuteranopia

90.6784, 94.2526, 98.2073

Tritanopia

91.8788, 94.2024, 107.9481

Trichromacy



Original Color

86.1458, 94.3332, 72.0603

Protanomaly

87.7999, 94.0427, 81.9311

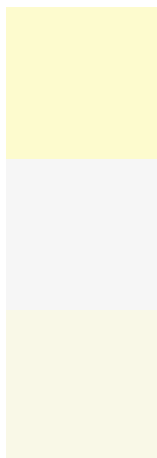
Deuteranomaly

88.7234, 93.9188, 88.3148

Tritanomaly

89.7265, 94.3201, 93.5973

Monochromacy



Original Color

86.1458, 94.3332, 72.0603

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

87.0581, 93.0441, 88.9722

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.1458, 94.3332, 72.0603 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(253, 251, 206)` looks like.

```
.text, #text, p{  
    color:rgb(253, 251, 206)  
}
```

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(253, 251, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 251, 206) }
```

Border

The CSS property to change the border of an element to XYZ 86.1458, 94.3332, 72.0603 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(253, 251, 206) }
```


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

```
.border{ border-color:rgb(253, 251, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 251, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 251, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 251, 206);  
box-shadow:4px 4px 4px 4px rgb(253, 251,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 86.1458, 94.3332, 72.0603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 251, 206) }
```

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

```
.background{ background-color: rgb(253,  
251, 206) }
```

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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