

Converting Colors

XYZ(86.7777, 95.2781, 69.6946)

Have a look what the booklet for
XYZ(86.7777, 95.2781, 69.6946)
contains.

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Color

**XYZ(86.7111, 95.1451,
69.6718)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFFCCA |
| RGB | 255, 252, 202 |
| RGB Percent | 100%, 99%, 79% |
| CMY | 0.0000, 0.0117, 0.2078 |
| CMYK | 0.00, 0.01, 0.21, 0.00 |
| HSL | 57°, 100%, 90% |
| HSV | 57°, 21%, 100% |
| XYZ | 86.7111, 95.1451, 69.6718 |
| YIQ | 247.1970, 17.8380, -14.9140 |

Conversions

Conversions Part 2

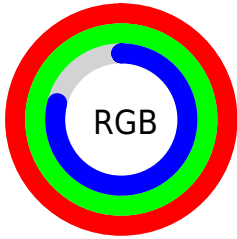
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 205, 255, 202 |
| Decimal | 16776394 |
| CIE Lab | 98.09, -6.84, 24.37 |
| CIE LCh | 98, 25.308, 105.682 |
| Yxy | 95.1451, 0.3447, 0.3783 |
| Android (android.graphics.Color) | 4294966474 (0xFFFFFCCA) |
| YUV | 247.1970, -22.2821, 6.8432 |
| Hunter-Lab | 97.5423, -12.0200, 25.9304 |

Details

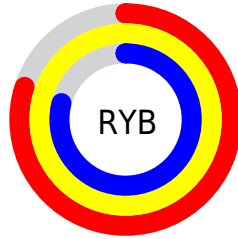
The XYZ color **86.7111, 95.1451, 69.6718** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **64.2380, 63.4375, 103.4667**, and the grayscale version is **88.7358, 93.3570, 101.6658**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.1491, 53.1741, 35.7429** is the 20% darker color. If you saturate the color by 10%, you get **83.4880, 93.1381, 54.9124**, and if you desaturate by 10%, it is **90.4411, 97.3668, 87.0639**.

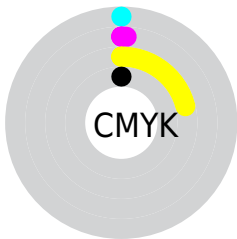
Distribution



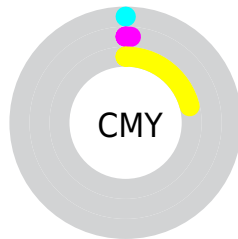
- Red (100%)
- Green (99%)
- Blue (79%)



- Red (80%)
- Yellow (100%)
- Blue (79%)



- Cyan (0%)
- Magenta (1%)
- Yellow (21%)
- Black (0%)





- Cyan (0%)
- Magenta (1%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.7111, 95.1451, 69.6718 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 86.7111, 95.1451, 69.6718 by changing the saturation by 10% instead.


 86.7111, 95.1451,
69.6718

 86.7111, 95.1451,
69.6718


505.6719,
544.6294, 478.1548

 65.5834, 72.2557,
50.7839


141.6631,
154.4650, 120.4173

 48.2007, 53.3676,
35.6611


176.2181,
191.6644, 153.1120

 34.1978, 38.0963,
23.8850


215.9797,
234.4026, 191.2460

 23.2092, 26.0575,
15.0369

261.3130,
283.0640, 235.2378

 14.8696, 16.8666,
8.6984

312.5835,
338.0330, 285.5061

 8.8136, 10.1394,
4.4509

370.1566,

 4.6760, 5.4915,

399.6939, 342.4693

1.8758

434.3976,
468.4313, 406.5460

■ 2.0912, 2.5384,
0.4773

■ 0.6844, 0.8958,
0.0000

■ 86.7111, 95.1451,
69.6718

■ 86.7111, 95.1451,
69.6718

■ 83.4880, 93.1381,
54.9124

■ 90.4411, 97.3668,
87.0639

■ 80.7406, 91.3235,
42.6508

94.6940, 99.8000,
107.2027

■ 78.4446, 89.6950,
32.7491

95.0500, 100.0000,
108.9000

■ 76.5707, 88.2408,
25.0536

■ 75.0863, 86.9479,
19.3928

■ 73.9541, 85.8012,
15.5695

■ 73.1292, 84.7829,
13.3477

■ 72.5759, 83.9319,
12.3753

Harmonies

Analogous

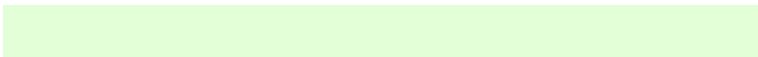
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.9295, 95.1451, 69.4829



86.7111, 95.1451, 69.6718



80.8068, 95.1451, 78.0973

Triad

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



86.7111, 95.1451, 69.6718



81.0249, 95.1451, 134.9190



104.6462, 95.1451, 113.8034

Complementary

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



86.7111, 95.1451, 69.6718



64.2380, 63.4375, 103.4667

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.



100.7940, 95.1451, 134.1182



86.7111, 95.1451, 69.6718



87.0235, 95.1451, 147.3700

Square

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



86.7111, 95.1451, 69.6718



77.6457, 95.1451, 114.7847



94.2590, 95.1451, 147.0588



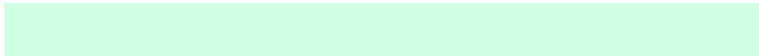
104.5515, 95.1451, 93.1607

Rectangle

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



86.7111, 95.1451, 69.6718



78.2971, 95.1451, 87.9878



94.2590, 95.1451, 147.0588



103.7613, 95.1451, 120.9506

Sweetspot

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



86.7133, 95.1492, 69.6738



92.4086, 98.5033, 96.3472



73.4452, 67.9358, 67.3389



19.7202, 21.0499, 20.3429



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

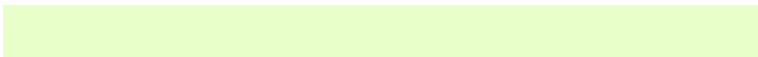
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.7133, 95.1492, 69.6738



85.2935, 94.2766, 63.1363



79.7108, 92.9459, 69.6176



19.4682, 20.9045, 19.1532



37.9605, 43.9322, 6.4790



3.7218, 4.3290, 0.6394

Inverse Universe

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



64.2380, 63.4375, 103.4667



59.0805, 57.2922, 102.5524



70.2124, 65.4645, 103.5431



17.0853, 17.5423, 22.7355



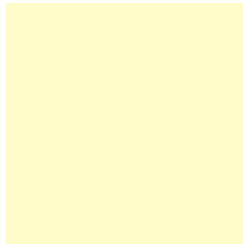
9.5489, 4.0074, 49.7048



0.9574, 0.4455, 4.8488

Previews

White Background



This preview shows how the XYZ color 86.7111, 95.1451, 69.6718 looks on a white background.

Color Contrast Check

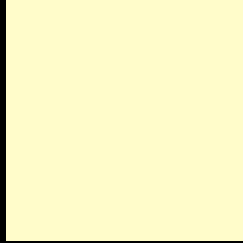
Large Text (above 18pt) WCAG AA × Fail

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 86.7111, 95.1451, 69.6718 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 86.7111, 95.1451, 69.6718

Background



This preview shows how black text looks on a background with the XYZ color 86.7111, 95.1451, 69.6718.



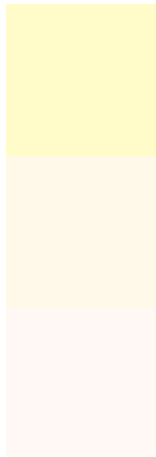
This preview shows how white text looks on a background with the XYZ color 86.7111, 95.1451,

69.6718.

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

86.7111, 95.1451, 69.6718

Protanopia

89.9670, 94.9519, 91.4277

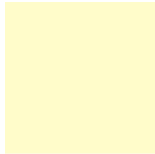
Deuteranopia

91.1365, 94.9265, 99.1072

Tritanopia

92.5508, 95.0015, 108.0669

Trichromacy



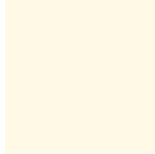
Original Color

86.7111, 95.1451, 69.6718



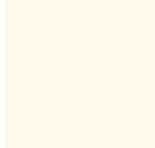
Protanomaly

88.6104, 94.9051, 82.7555



Deuteranomaly

89.2585, 94.6685, 87.6972



Tritanomaly

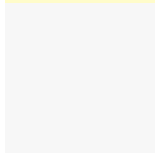
90.2560, 95.0675, 92.9497

Monochromacy



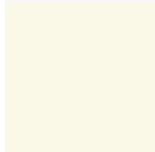
Original Color

86.7111, 95.1451, 69.6718



Achromatopsia

88.4070, 93.0111, 101.2891



Achromatomaly

87.7238, 93.8449, 89.0916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.7111, 95.1451, 69.6718 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, 252, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 202)  
}
```

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, 252, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 202) }
```

Border

The CSS property to change the border of an element to XYZ 86.7111, 95.1451, 69.6718 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, 252, 202) }
```


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

```
.border{ border-color:rgb(255, 252, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 252, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 202);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 86.7111, 95.1451, 69.6718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 252, 202) }
```

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

```
.background{ background-color: rgb(255,  
252, 202) }
```

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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