

Converting Colors

XYZ(86.9311, 96.6406, 71.1985)

Have a look what the booklet for
XYZ(86.9311, 96.6406, 71.1985)
contains.

XYZ(86.8040, 96.5751, 71.1925)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(86.8040, 96.5751,
71.1925)**

Conversions

Conversions Part 1

Format	Color
Hex	FCFFCC
RGB	252, 255, 204
RGB Percent	99%, 100%, 80%
CMY	0.0118, 0.0000, 0.2000
CMYK	0.01, 0.00, 0.20, 0.00
HSL	64°, 100%, 90%
HSV	64°, 20%, 100%
XYZ	86.8040, 96.5751, 71.1925
YIQ	248.2890, 14.5830, -16.4970

Conversions

Conversions Part 2

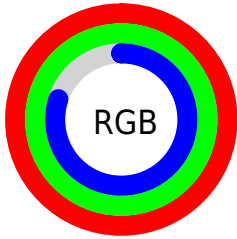
Format	Color
RYB	204, 255, 207
Decimal	16580556
CIELab	98.66, -9.12, 24.10
CIELCh	99, 25.769, 110.724
Yxy	96.5751, 0.3410, 0.3794
Android (android.graphics.Color)	4294770636 (0xFFFCFFCC)
YUV	248.2890, -21.8345, 3.2545
Hunter-Lab	98.2726, -14.3084, 25.8389

Details

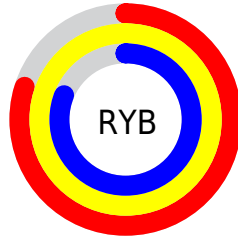
The XYZ color **86.8040, 96.5751, 71.1925** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.3759, 63.6723, 103.4520**, and the grayscale version is **89.6234, 94.2908, 102.6827**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.2048, 54.1923, 36.7737** is the 20% darker color. If you saturate the color by 10%, you get **83.4506, 95.1713, 56.3559**, and if you desaturate by 10%, it is **90.6635, 98.1819, 88.6694**.

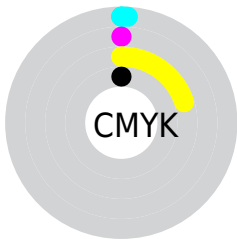
Distribution



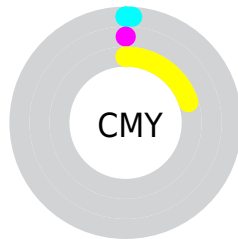
- Red (99%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (81%)



- Cyan (1%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (1%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 86.8040, 96.5751, 71.1925 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 86.8040, 96.5751, 71.1925 by changing the saturation by 10% instead.


 86.8040, 96.5751,
71.1925

 86.8040, 96.5751,
71.1925


505.9728,
549.1953, 483.6279

 65.6605, 73.4466,
52.0165


141.7920,
156.4389, 122.6048

 48.2636, 54.3412,
36.6359


176.3672,
193.9430, 155.6782

 34.2478, 38.8745,
24.6321


216.1503,
237.0077, 194.2211

 23.2478, 26.6621,
15.5867

261.5068,
286.0175, 238.6521

 14.8983, 17.3196,
9.0810

312.8019,
341.3568, 289.3898

 8.8339, 10.4627,
4.6965

370.4011,

 4.6892, 5.7068,

403.4099, 346.8526

2.0147

434.6696,
472.5613, 411.4591

■ 2.0990, 2.6676,
0.5643

■ 0.6887, 0.9608,
0.0000

■ 86.8040, 96.5751,
71.1925

■ 86.8040, 96.5751,
71.1925

■ 83.4506, 95.1713,
56.3559

■ 90.6635, 98.1819,
88.6694

■ 80.5774, 93.9600,
44.0271

95.0500, 100.0000,
108.9000

■ 78.1586, 92.9309,
34.0687

■ 76.1652, 92.0726,
26.3284

■ 74.5649, 91.3719,
20.6359

■ 73.3207, 90.8142,
16.7967

■ 72.3885, 90.3818,
14.5785

■ 71.6964, 90.0459,
13.6019

■ 71.6963, 90.0458,
13.6018

Harmonies

Analogous

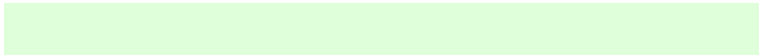
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.1255, 96.5751, 69.5681



86.8040, 96.5751, 71.1925



81.1196, 96.5751, 81.2115

Triad

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



86.8040, 96.5751, 71.1925



82.9991, 96.5751, 140.3055



106.7037, 96.5751, 111.9221

Complementary

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



86.8040, 96.5751, 71.1925



65.3759, 63.6723, 103.4520

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.



103.3611, 96.5751, 133.3924



86.8040, 96.5751, 71.1925



89.4968, 96.5751, 151.1812

Square

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



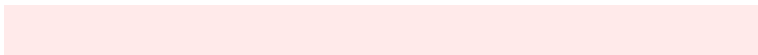
86.8040, 96.5751, 71.1925



79.0070, 96.5751, 120.3867



96.9670, 96.5751, 148.4929



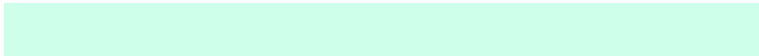
105.8863, 96.5751, 91.2634

Rectangle

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



86.8040, 96.5751, 71.1925



78.8947, 96.5751, 92.1552



96.9670, 96.5751, 148.4929



106.0229, 96.5751, 119.3208

Sweetspot

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



86.8045, 96.5753, 71.1939



92.3534, 98.8832, 96.4234



74.3438, 70.0286, 66.7266



19.7071, 21.1401, 20.3610



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

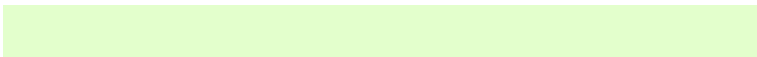
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.8045, 96.5753, 71.1939



85.4034, 95.9898, 64.9479



78.3225, 92.2027, 70.7969



19.4495, 21.0331, 19.1790



37.5083, 47.0743, 7.1094



3.6829, 4.5993, 0.6937

Inverse Universe

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



65.3759, 63.6723, 103.4520



60.4279, 57.6389, 102.5483



72.9386, 67.5711, 103.8060



17.1018, 17.4287, 22.7127



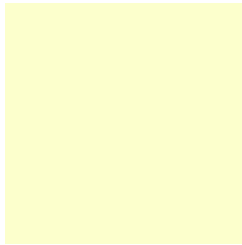
9.5728, 3.8455, 49.6723



0.9652, 0.3915, 4.8380

Previews

White Background



This preview shows how the XYZ color 86.8040, 96.5751, 71.1925 looks on a white background.

Color Contrast Check

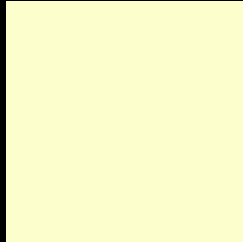
Large Text (above 18pt) WCAG AA × Fail

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 86.8040, 96.5751, 71.1925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

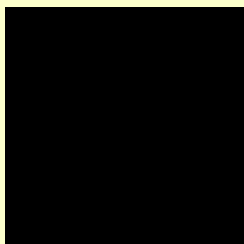
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

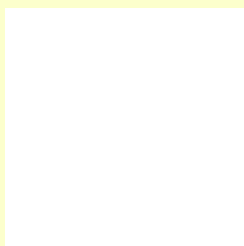
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 86.8040, 96.5751, 71.1925

Background



This preview shows how black text looks on a background with the XYZ color 86.8040, 96.5751, 71.1925.



This preview shows how white text looks on a background with the XYZ color 86.8040, 96.5751,

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

86.8040, 96.5751, 71.1925



Protanopia

91.4654, 96.5456, 96.2525

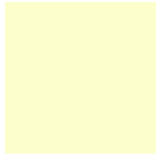
Deuteranopia

92.2141, 96.3466, 101.7322

Tritanopia

93.1087, 96.6620, 108.3580

Trichromacy



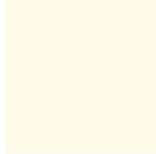
Original Color

86.8040, 96.5751, 71.1925



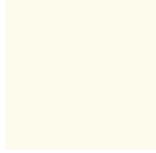
Protanomaly

89.5486, 96.2377, 86.5291



Deuteranomaly

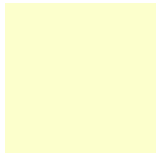
90.1073, 96.4612, 89.4710



Tritanomaly

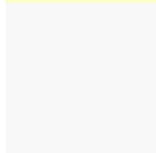
90.4587, 96.5596, 93.2271

Monochromacy



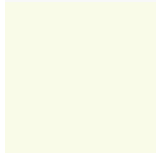
Original Color

86.8040, 96.5751, 71.1925



Achromatopsia

89.2221, 93.8686, 102.2229



Achromatomaly

88.1296, 94.9603, 90.0282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.8040, 96.5751, 71.1925 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(252, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(252, 255, 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(252, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 255, 204) }
```

Border

The CSS property to change the border of an element to XYZ 86.8040, 96.5751, 71.1925 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(252, 255, 204) }
```


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

```
.border{ border-color:rgb(252, 255, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(252, 255,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 86.8040, 96.5751, 71.1925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 255, 204) }
```

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

```
.background{ background-color: rgb(252,  
255, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor