

Converting Colors

XYZ(86.8550, 96.2423, 70.7785)

Have a look what the booklet for
XYZ(86.8550, 96.2423, 70.7785)
contains.

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Color

**XYZ(86.7293, 96.0781,
70.4737)**

Conversions

Conversions Part 1

Format	Color
Hex	FD FECB
RGB	253, 254, 203
RGB Percent	99%, 100%, 80%
CMY	0.0078, 0.0039, 0.2039
CMYK	0.00, 0.00, 0.20, 0.00
HSL	61°, 96%, 90%
HSV	61°, 20%, 100%
XYZ	86.7293, 96.0781, 70.4737
YIQ	247.8870, 15.7750, -16.0730

Conversions

Conversions Part 2

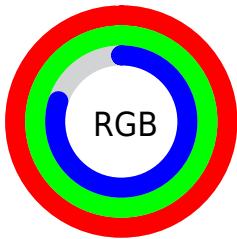
Format	Color
R _Y B	203, 254, 204
Decimal	16645835
CIE Lab	98.46, -8.41, 24.35
CIE LCh	98, 25.759, 109.053
Yxy	96.0781, 0.3424, 0.3793
Android (android.graphics.Color)	4294835915 (0xFFFD ^F ECB)
YUV	247.8870, -22.1293, 4.4841
Hunter-Lab	98.0194, -13.5941, 25.9855

Details

The XYZ color **86.7293, 96.0781, 70.4737** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **64.1509, 62.7076, 102.4940**, and the grayscale version is **89.2991, 93.9496, 102.3111**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.1560, 53.8382, 36.2875** is the 20% darker color. If you saturate the color by 10%, you get **83.7658, 94.8749, 55.8078**, and if you desaturate by 10%, it is **90.1943, 97.4885, 87.7557**.

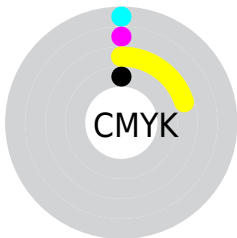
Distribution



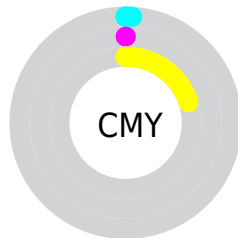
- Red (99%)
- Green (100%)
- Blue (80%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.7293, 96.0781, 70.4737 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 86.7293, 96.0781, 70.4737 by changing the saturation by 10% instead.


 86.7293, 96.0781,
70.4737

 86.7293, 96.0781,
70.4737


505.7308,
547.6107, 481.0455

 65.5985, 73.0326,
51.4336


141.6884,
155.7532, 121.5715

 48.2130, 54.0026,
36.1747


176.2473,
193.1516, 154.4663

 34.2076, 38.6038,
24.2784


216.0131,
236.1031, 192.8164

 23.2168, 26.4516,
15.3262

261.3510,
284.9920, 237.0403

 14.8752, 17.1618,
8.8994

312.6263,
340.2029, 287.5567

 8.8176, 10.3499,
4.5797

370.2045,

 4.6786, 5.6316,

402.1200, 344.7839

1.9485

434.4509,
471.1278, 409.1407

■ 2.0927, 2.6224,
0.5233

■ 0.6853, 0.9379,
0.0000

■ 86.7293, 96.0781,
70.4737

■ 86.7293, 96.0781,
70.4737

■ 83.7658, 94.8749,
55.8078

■ 90.1943, 97.4885,
87.7557

■ 81.2722, 93.8565,
43.6247

■ 94.1757, 99.1022,
107.7660

■ 79.2248, 93.0166,
33.7889

■ 94.5514, 99.2737,
108.7861

■ 77.5949, 92.3438,
26.1493

■ 94.7339, 99.3677,
108.7946

■ 76.3506, 91.8252,
20.5372

■ 75.4551, 91.4462,
16.7597

■ 74.8647, 91.1894,
14.5864

■ 74.5097, 91.0269,
13.6429

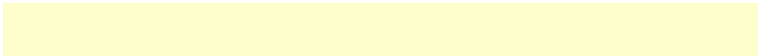
Harmonies

Analogous

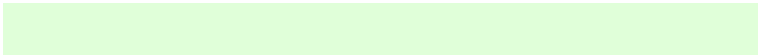
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.0626, 96.0781, 69.3283



86.7293, 96.0781, 70.4737



80.9363, 96.0781, 79.9976

Triad

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



86.7293, 96.0781, 70.4737



82.2626, 96.0781, 138.7037



106.0945, 96.0781, 112.5863

Complementary

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



86.7293, 96.0781, 70.4737



64.1509, 62.7076, 102.4940

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.



102.5545, 96.0781, 133.8207



86.7293, 96.0781, 70.4737



88.6299, 96.0781, 150.2050

Square

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



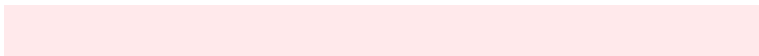
86.7293, 96.0781, 70.4737



78.4558, 96.0781, 118.5628



96.0686, 96.0781, 148.3057



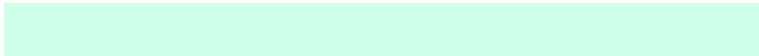
105.5173, 96.0781, 91.8022

Rectangle

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



86.7293, 96.0781, 70.4737



78.6021, 96.0781, 90.6407



96.0686, 96.0781, 148.3057



105.3393, 96.0781, 119.9515

Sweetspot

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



86.7318, 96.0824, 70.4757



92.5727, 98.9963, 96.4337



73.2129, 68.4995, 65.8642



19.7591, 21.1669, 20.3634



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

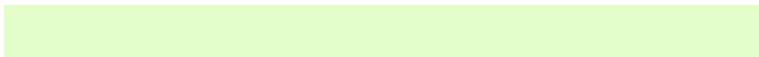
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.7318, 96.0824, 70.4757



86.2725, 96.4379, 64.9886



78.1089, 91.6371, 70.0722



19.5237, 21.0714, 19.1825



39.2961, 47.9959, 7.1930



3.8370, 4.6788, 0.7009

Inverse Universe

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



64.1509, 62.7076, 102.4940



59.8048, 57.3176, 102.5191



71.6732, 66.5854, 102.8460



17.0361, 17.3948, 22.7096



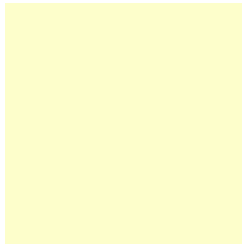
9.4787, 3.7969, 49.6679



0.9341, 0.3754, 4.8365

Previews

White Background



This preview shows how the XYZ color 86.7293, 96.0781, 70.4737 looks on a white background.

Color Contrast Check

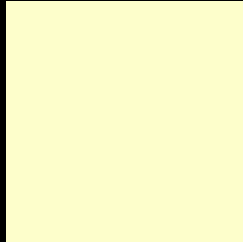
Large Text (above 18pt) WCAG AA × Fail

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 86.7293, 96.0781, 70.4737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

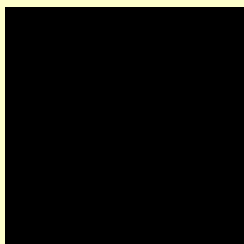
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 86.7293, 96.0781, 70.4737

Background



This preview shows how black text looks on a background with the XYZ color 86.7293, 96.0781, 70.4737.



This preview shows how white text looks on a background with the XYZ color 86.7293, 96.0781,

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

86.7293, 96.0781, 70.4737



Protanopia

90.8582, 95.8043, 94.5922

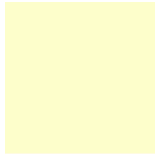
Deuteranopia

92.0602, 96.2850, 100.9216

Tritanopia

92.7987, 96.0422, 108.2547

Trichromacy



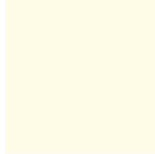
Original Color

86.7293, 96.0781, 70.4737



Protanomaly

88.9608, 95.5014, 84.9790



Deuteranomaly

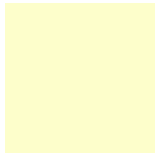
89.6532, 95.7784, 88.6248



Tritanomaly

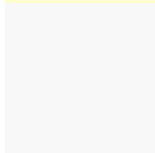
90.5106, 96.1213, 93.1397

Monochromacy



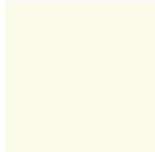
Original Color

86.7293, 96.0781, 70.4737



Achromatopsia

89.2221, 93.8686, 102.2229



Achromatomaly

88.1754, 94.5214, 89.9410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.7293, 96.0781, 70.4737 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, 254, 203)` looks like.

```
.text, #text, p{  
    color:rgb(253, 254, 203)  
}
```

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, 254, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 254, 203) }
```

Border

The CSS property to change the border of an element to XYZ 86.7293, 96.0781, 70.4737 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, 254, 203) }
```


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

```
.border{ border-color:rgb(253, 254, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 254, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 254, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 254, 203);  
box-shadow:4px 4px 4px 4px rgb(253, 254,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 86.7293, 96.0781, 70.4737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 254, 203) }
```

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

```
.background{ background-color: rgb(253,  
254, 203) }
```

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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