

Converting Colors

XYZ(103.9028, 100.0000,
70.4707)

Have a look what the booklet for
XYZ(103.9028, 100.0000, 70.4707)
contains.

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Color

**XYZ(84.0701, 89.6730,
69.3776)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF3CB
RGB	255, 243, 203
RGB Percent	100%, 95%, 80%
CMY	0.0000, 0.0470, 0.2039
CMYK	0.00, 0.05, 0.20, 0.00
HSL	46°, 100%, 90%
HSV	46°, 20%, 100%
XYZ	84.0701, 89.6730, 69.3776
YIQ	242.0280, 19.9920, -9.8960

Conversions

Conversions Part 2

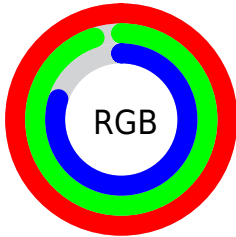
Format	Color
R_{YB}	219, 255, 203
Decimal	16774091
CIE Lab	95.86, -2.20, 20.76
CIE LCh	96, 20.879, 96.049
Yxy	89.6730, 0.3458, 0.3688
Android (android.graphics.Color)	4294964171 (0xFFFFF3CB)
YUV	242.0280, -19.2408, 11.3764
Hunter-Lab	94.6958, -7.2470, 22.8491

Details

The XYZ color **84.0701, 89.6730, 69.3776** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.9785, 68.5155, 104.3024**, and the grayscale version is **84.5586, 88.9622, 96.8798**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.4838, 49.7163, 35.5800** is the 20% darker color. If you saturate the color by 10%, you get **79.5462, 85.0950, 54.0903**, and if you desaturate by 10%, it is **89.1545, 94.5716, 87.3199**.

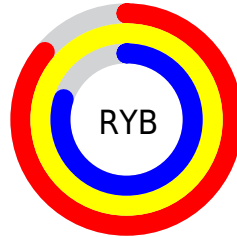
Distribution



Red (100%)

Green (95%)

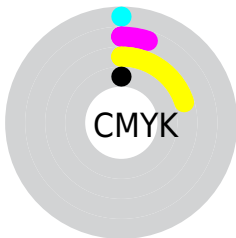
Blue (80%)



Red (86%)

Yellow (100%)

Blue (80%)

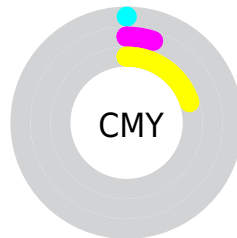


Cyan (0%)

Magenta (5%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (5%)

Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.0701, 89.6730, 69.3776 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 84.0701, 89.6730, 69.3776 by changing the saturation by 10% instead.


 84.0701, 89.6730,
69.3776

 84.0701, 89.6730,
69.3776


497.0761,
526.9666, 477.0916

 63.3932, 67.7095,
50.5456


137.9940,
146.8841, 119.9935

 46.4192, 49.6614,
35.4729


171.9717,
182.9004, 152.6145

 32.7828, 35.1444,
23.7409


211.1137,
224.3698, 190.6690

 22.1185, 23.7742,
14.9311

255.7854,
271.6767, 234.5754

 14.0611, 15.1662,
8.6250

306.3522,
325.2054, 284.7523

 8.2452, 8.9361,
4.4039

363.1793,

 4.3053, 4.6995,

385.3404, 341.6183

1.8495

426.6322,
452.4659, 405.5919

■ 1.8763, 2.0721,
0.4603

■ 0.5630, 0.6488,
0.0000

■ 84.0701, 89.6730,
69.3776

■ 84.0701, 89.6730,
69.3776

■ 79.5462, 85.0950,
54.0903

■ 89.1545, 94.5716,
87.3199

■ 75.5516, 80.8150,
41.3235

94.8163, 99.7891,
108.0315

■ 72.0613, 76.8253,
30.9397

95.0500, 100.0000,
108.9000

■ 69.0459, 73.1132,
22.7856

■ 66.4721, 69.6647,
16.6902

■ 64.3025, 66.4637,
12.4575

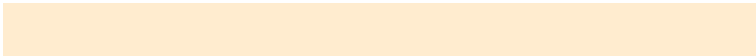
■ 62.4918, 63.4914,
9.8532

■ 61.0212, 60.8223,
8.5237

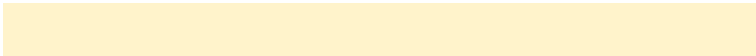
Harmonies

Analogous

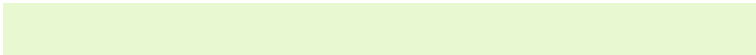
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.8060, 89.6730, 71.4313



84.0701, 89.6730, 69.3776



78.8803, 89.6730, 74.1787

Triad

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



84.0701, 89.6730, 69.3776



76.5890, 89.6730, 117.5135



95.7562, 89.6730, 111.0860

Complementary

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



84.0701, 89.6730, 69.3776



66.9785, 68.5155, 104.3024

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.



91.9147, 89.6730, 125.5868



84.0701, 89.6730, 69.3776



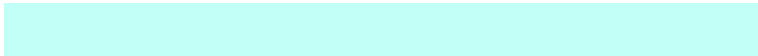
80.8151, 89.6730, 129.5803

Square

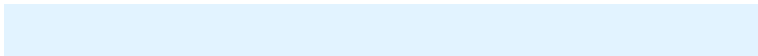
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.0701, 89.6730, 69.3776



74.6881, 89.6730, 101.0183



86.4035, 89.6730, 132.6893



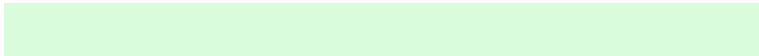
96.7232, 89.6730, 94.3352

Rectangle

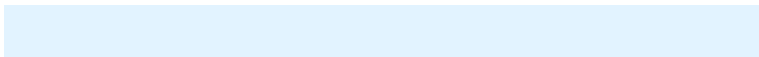
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.0701, 89.6730, 69.3776



76.3728, 89.6730, 80.9778



86.4035, 89.6730, 132.6893



94.7501, 89.6730, 116.4411

Sweetspot

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



84.0722, 89.6769, 69.3795



91.5681, 96.8224, 96.0671



74.8795, 68.8861, 73.7307



19.5210, 20.6515, 20.2765



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.



84.0722, 89.6769, 69.3795



82.3761, 87.9879, 63.5629



82.8611, 94.5562, 70.3851



19.1851, 20.3384, 19.0589



32.0038, 32.0189, 4.4935



3.1984, 3.2821, 0.4649

Inverse Universe

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



66.9785, 68.5155, 104.3024



62.7823, 63.7338, 103.6006



67.9825, 64.6644, 103.5061



17.3429, 18.0575, 22.8213



10.3364, 5.5824, 49.9673



1.0850, 0.7007, 4.8913

Previews

White Background



This preview shows how the XYZ color 84.0701, 89.6730, 69.3776 looks on a white background.

Color Contrast Check

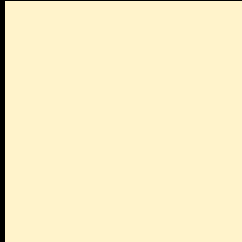
Large Text (above 18pt) WCAG AA × Fail

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 84.0701, 89.6730, 69.3776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

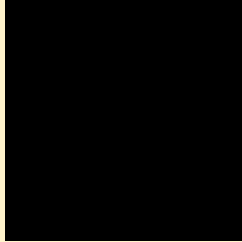
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.0701, 89.6730, 69.3776

Background



This preview shows how black text looks on a background with the XYZ color 84.0701, 89.6730, 69.3776.



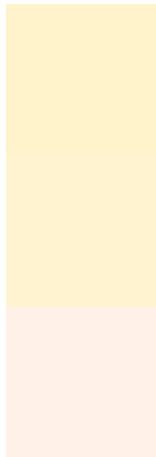
This preview shows how white text looks on a background with the XYZ color 84.0701, 89.6730,

69.3776.

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

84.0701, 89.6730, 69.3776

Protanopia

84.6758, 89.9153, 72.5670

Deuteranopia

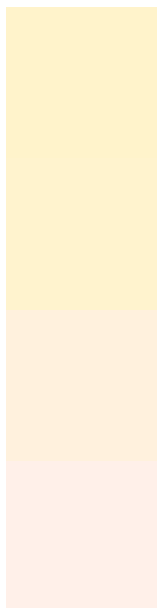
86.9656, 89.4064, 89.0175



Tritanopia

89.3618, 89.8951, 103.0841

Trichromacy



Original Color

84.0701, 89.6730, 69.3776

Protanomaly

84.4312, 89.8174, 71.2790

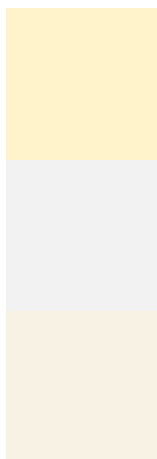
Deuteranomaly

85.7464, 89.3911, 81.1415

Tritanomaly

87.1081, 89.4634, 89.7679

Monochromacy



Original Color

84.0701, 89.6730, 69.3776

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

84.1135, 88.8799, 86.1211

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.0701, 89.6730, 69.3776 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, 243, 203)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 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(255, 243, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 203) }
```

Border

The CSS property to change the border of an element to XYZ 84.0701, 89.6730, 69.3776 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, 243, 203) }
```


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

```
.border{ border-color:rgb(255, 243, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 243, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 203);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 84.0701, 89.6730, 69.3776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 203) }
```

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

```
.background{ background-color: rgb(255,  
243, 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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