

Converting Colors

XYZ(84.9888, 91.3187, 70.2747)

Have a look what the booklet for
XYZ(84.9888, 91.3187, 70.2747)
contains.

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Color

**XYZ(85.0949, 91.5312,
70.3090)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF6CC
RGB	255, 246, 204
RGB Percent	100%, 96%, 80%
CMY	0.0000, 0.0353, 0.2000
CMYK	0.00, 0.04, 0.20, 0.00
HSL	49°, 100%, 90%
HSV	49°, 20%, 100%
XYZ	85.0949, 91.5312, 70.3090
YIQ	243.9030, 18.8460, -11.1540

Conversions

Conversions Part 2

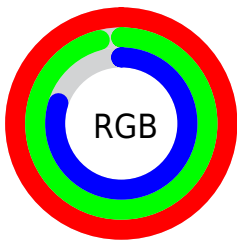
Format	Color
R _Y B	215, 255, 204
Decimal	16774860
CIE Lab	96.63, -3.57, 21.32
CIE LCh	97, 21.615, 99.494
Yxy	91.5312, 0.3446, 0.3707
Android (android.graphics.Color)	4294964940 (0xFFFFF6CC)
YUV	243.9030, -19.6722, 9.7321
Hunter-Lab	95.6719, -8.6600, 23.3983

Details

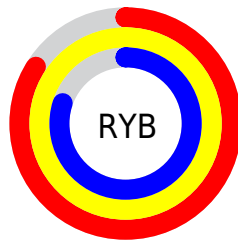
The XYZ color **85.0949, 91.5312, 70.3090** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.7455, 67.6439, 104.1465**, and the grayscale version is **86.0552, 90.5368, 98.5946**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.2072, 51.0347, 36.2168** is the 20% darker color. If you saturate the color by 10%, you get **80.9327, 87.7071, 55.0478**, and if you desaturate by 10%, it is **89.7953, 95.6297, 88.2224**.

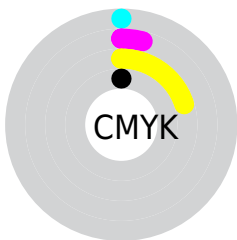
Distribution



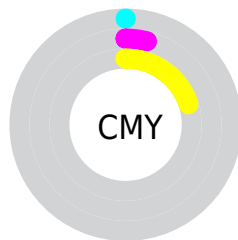
- Red (100%)
- Green (96%)
- Blue (80%)



- Red (84%)
- Yellow (100%)
- Blue (80%)



- Cyan (0%)
- Magenta (4%)
- Yellow (20%)
- Black (0%)





- Cyan (0%)
- Magenta (4%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.0949, 91.5312, 70.3090 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 85.0949, 91.5312, 70.3090 by changing the saturation by 10% instead.


 85.0949, 91.5312,
70.3090

 85.0949, 91.5312,
70.3090


500.4210,
532.9993, 480.4526

 64.2426, 69.2513,
51.3001


139.4191,
149.4635, 121.3345

 47.1096, 50.9164,
36.0691


173.6217,
185.8847, 154.1883

 33.3306, 36.1421,
24.1975


213.0050,
227.7884, 192.4941

 22.5403, 24.5440,
15.2666

257.9345,
275.5591, 236.6705

 14.3732, 15.7376,
8.8580

308.7755,
329.5811, 287.1360

 8.4641, 9.3387,
4.5531

365.8933,

 4.4476, 4.9627,

390.2389, 344.3091

1.9334

429.6534,
457.9168, 408.6085

■ 1.9584, 2.2254,
0.5139

■ 0.6104, 0.7338,
0.0000

■ 85.0949, 91.5312,
70.3090

■ 85.0949, 91.5312,
70.3090

■ 80.9327, 87.7071,
55.0478

■ 89.7953, 95.6297,
88.2224

■ 77.2777, 84.1355,
42.3046

95.0500, 100.0000,
108.9000

■ 74.1055, 80.8092,
31.9426

■ 71.3868, 77.7163,
23.8091

■ 69.0892, 74.8432,
17.7341

■ 67.1755, 72.1748,
13.5228

■ 65.6012, 69.6929,
10.9429

■ 64.2941, 67.3682,
9.6148

■ 64.2940, 67.3681,
9.6147

Harmonies

Analogous

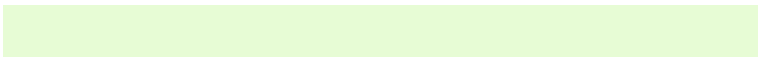
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.1322, 91.5312, 71.6270



85.0949, 91.5312, 70.3090



79.8142, 91.5312, 76.1225

Triad

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



85.0949, 91.5312, 70.3090



78.3347, 91.5312, 122.3622



98.3422, 91.5312, 111.7807

Complementary

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



85.0949, 91.5312, 70.3090



66.7455, 67.6439, 104.1465

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.



94.5997, 91.5312, 127.6134



85.0949, 91.5312, 70.3090



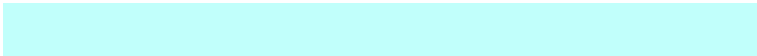
82.9901, 91.5312, 134.1967

Square

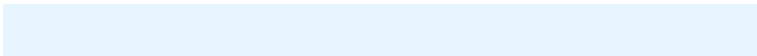
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.0949, 91.5312, 70.3090



76.0322, 91.5312, 105.2529



88.9286, 91.5312, 136.2223



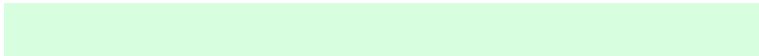
98.9698, 91.5312, 94.2725

Rectangle

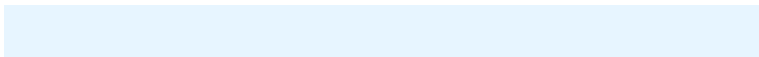
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.0949, 91.5312, 70.3090



77.3647, 91.5312, 83.7044



88.9286, 91.5312, 136.2223



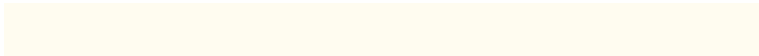
97.3987, 91.5312, 117.5286

Sweetspot

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



85.0970, 91.5351, 70.3109



91.8289, 97.3440, 96.1540



74.8883, 69.2686, 72.6082



19.5828, 20.7750, 20.2971



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

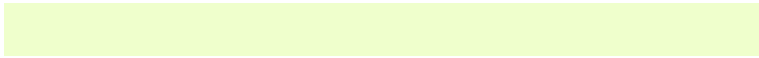
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.0970, 91.5351, 70.3109



83.3682, 89.9722, 63.8936



82.2055, 94.2045, 70.9786



19.2727, 20.5136, 19.0881



33.6944, 35.4000, 5.0570



3.3489, 3.5832, 0.5151

Inverse Universe

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



66.7455, 67.6439, 104.1465



61.9809, 62.1310, 103.3335



69.2044, 65.6459, 103.6312



17.2620, 17.8955, 22.7943



9.9958, 4.9011, 49.8538



1.0408, 0.6123, 4.8766

Previews

White Background



This preview shows how the XYZ color 85.0949, 91.5312, 70.3090 looks on a white background.

Color Contrast Check

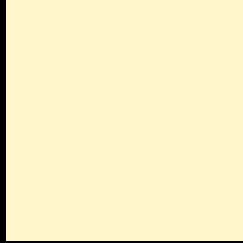
Large Text (above 18pt) WCAG AA × Fail

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 85.0949, 91.5312, 70.3090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

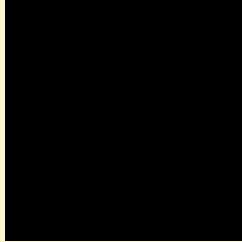
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.0949, 91.5312, 70.3090

Background



This preview shows how black text looks on a background with the XYZ color 85.0949, 91.5312, 70.3090.



This preview shows how white text looks on a background with the XYZ color 85.0949, 91.5312,

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

85.0949, 91.5312, 70.3090

Protanopia

86.4168, 91.5746, 78.7666

Deuteranopia

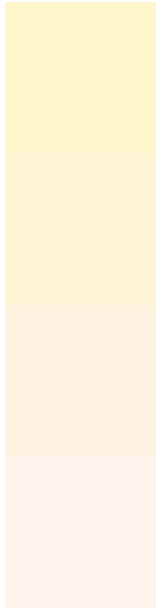
88.5767, 91.4756, 93.1088



Tritanopia

90.5628, 91.7925, 105.0400

Trichromacy



Original Color

85.0949, 91.5312, 70.3090

Protanomaly

85.7761, 91.3183, 75.3927

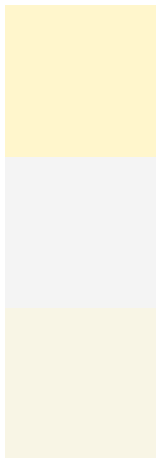
Deuteranomaly

87.1813, 91.3976, 84.2807

Tritanomaly

88.2860, 91.3593, 91.5782

Monochromacy



Original Color

85.0949, 91.5312, 70.3090

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

85.5067, 90.9184, 87.1711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.0949, 91.5312, 70.3090 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, 246, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 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(255, 246, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 204) }
```

Border

The CSS property to change the border of an element to XYZ 85.0949, 91.5312, 70.3090 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, 246, 204) }
```


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

```
.border{ border-color:rgb(255, 246, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 246, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 246, 204); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 246, 204); box-shadow:4px 4px 4px 4px rgb(255, 246, 204) }
```

Background

The CSS property to change the background color of an element to XYZ 85.0949, 91.5312, 70.3090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 204) }
```

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

```
.background{ background-color: rgb(255,  
246, 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](#).

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