

Converting Colors

XYZ(88.7959, 90.7485, 73.8049)

Have a look what the booklet for
XYZ(88.7959, 90.7485, 73.8049)
contains.

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Color

**XYZ(84.0329, 88.2333,
73.5745)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF0D2
RGB	255, 240, 210
RGB Percent	100%, 94%, 82%
CMY	0.0000, 0.0588, 0.1765
CMYK	0.00, 0.06, 0.18, 0.00
HSL	40°, 100%, 91%
HSV	40°, 18%, 100%
XYZ	84.0329, 88.2333, 73.5745
YIQ	241.0650, 18.5700, -6.1500

Conversions

Conversions Part 2

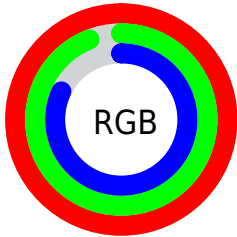
Format	Color
R_{YB}	233, 255, 210
Decimal	16773330
CIE Lab	95.26, 0.32, 16.32
CIE LCh	95, 16.326, 88.865
Yxy	88.2333, 0.3418, 0.3589
Android (android.graphics.Color)	4294963410 (0xFFFFF0D2)
YUV	241.0650, -15.3150, 12.2210
Hunter-Lab	93.9326, -4.6944, 19.3128

Details

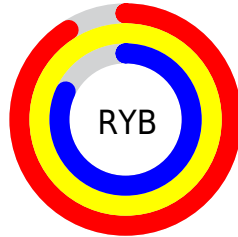
The XYZ color **84.0329, 88.2333, 73.5745** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **71.5529, 74.7700, 105.2685**, and the grayscale version is **83.7686, 88.1311, 95.9748**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.3456, 48.6533, 37.9587** is the 20% darker color. If you saturate the color by 10%, you get **78.6632, 82.1792, 57.3399**, and if you desaturate by 10%, it is **90.0303, 94.7318, 92.5179**.

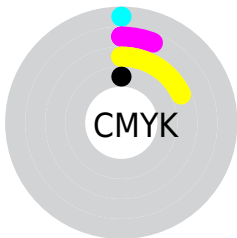
Distribution



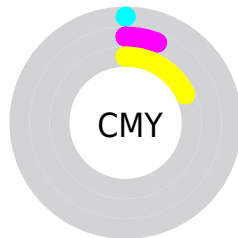
- Red (100%)
- Green (94%)
- Blue (82%)



- Red (91%)
- Yellow (100%)
- Blue (82%)



- Cyan (0%)
- Magenta (6%)
- Yellow (18%)
- Black (0%)





- Cyan (0%)
- Magenta (6%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.0329, 88.2333, 73.5745 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 84.0329, 88.2333, 73.5745 by changing the saturation by 10% instead.


 84.0329, 88.2333,
73.5745

 84.0329, 88.2333,
73.5745


496.9545,
522.2669, 492.1276

 63.3624, 66.5163,
53.9512


137.9422,
144.8819, 126.0209

 46.3942, 48.6916,
38.1697


171.9117,
180.5823, 159.6811

 32.7629, 34.3749,
25.8116


211.0450,
221.7126, 198.8573

 22.1033, 23.1818,
16.4582

255.7073,
268.6573, 243.9680

 14.0498, 14.7278,
9.6911

306.2641,
321.8006, 295.4319

 8.2373, 8.6286,
5.0917

363.0806,

 4.3002, 4.4997,

381.5271, 353.6674

2.2415

426.5223,
448.2211, 419.0932

■ 1.8733, 1.9568,
0.6982

■ 0.5613, 0.5822,
0.0000

■ 84.0329, 88.2333,
73.5745

■ 84.0329, 88.2333,
73.5745

■ 78.6632, 82.1792,
57.3399

■ 90.0303, 94.7318,
92.5179

■ 73.8892, 76.5454,
43.6821

95.0500, 100.0000,
108.9000

■ 69.6858, 71.3221,
32.4662

■ 66.0228, 66.4946,
23.5428

■ 62.8672, 62.0470,
16.7460

■ 60.1817, 57.9616,
11.8869

■ 57.9222, 54.2180,
8.7436

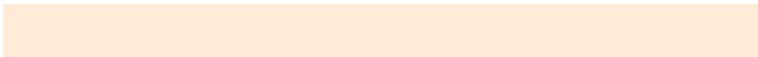
■ 56.0315, 50.7904,
7.0227

■ 55.6207, 50.0215,
6.7236

Harmonies

Analogous

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



88.3700, 88.2333, 76.5678



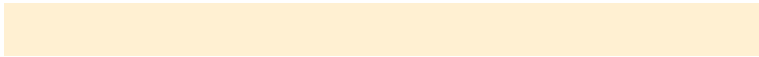
84.0329, 88.2333, 73.5745



79.7961, 88.2333, 76.1509

Triad

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



84.0329, 88.2333, 73.5745



76.5838, 88.2333, 108.4054



91.4098, 88.2333, 109.3203

Complementary

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



84.0329, 88.2333, 73.5745



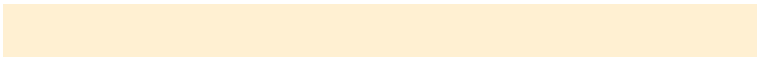
71.5529, 74.7700, 105.2685

Split Complementary

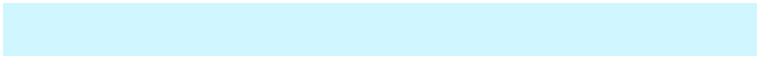
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.0660, 88.2333, 119.1934



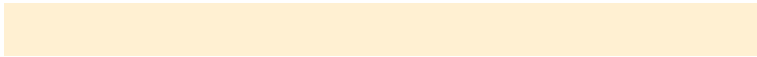
84.0329, 88.2333, 73.5745



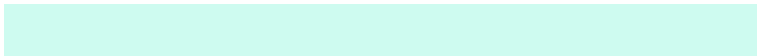
79.5121, 88.2333, 118.6332

Square

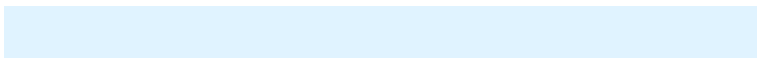
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.0329, 88.2333, 73.5745



75.5881, 88.2333, 95.5859



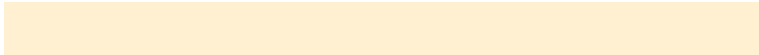
83.6935, 88.2333, 122.7412



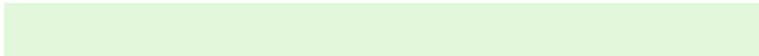
92.7210, 88.2333, 96.5578

Rectangle

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



84.0329, 88.2333, 73.5745



77.5764, 88.2333, 80.8215



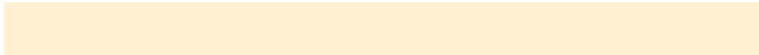
83.6935, 88.2333, 122.7412



90.4806, 88.2333, 113.1274

Sweetspot

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



84.0350, 88.2371, 73.5764



91.7242, 96.5251, 97.9982



77.8778, 72.7904, 81.1804



19.5355, 20.5578, 20.6600



0.0000, 0.0000, 0.0000



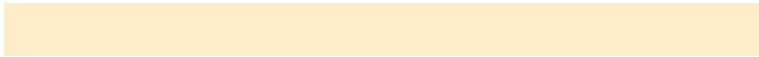
20.3446, 21.4041, 23.3091

Same Dimension

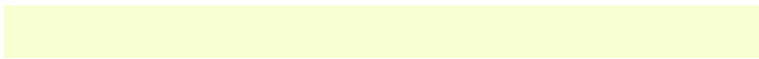
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.0350, 88.2371, 73.5764



82.1652, 86.1574, 67.8358



85.9276, 96.0385, 74.9824



19.0214, 20.0110, 19.0043



29.2060, 26.4233, 3.5609



2.9442, 2.7738, 0.3802

Inverse Universe

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



71.5529, 74.7700, 105.2685



67.6667, 70.5162, 104.6523



69.8617, 68.1428, 104.0785



17.4975, 18.3666, 22.8728



11.2495, 7.4086, 50.2717



1.1909, 0.9126, 4.9267

Previews

White Background



This preview shows how the XYZ color 84.0329, 88.2333, 73.5745 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 84.0329, 88.2333, 73.5745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

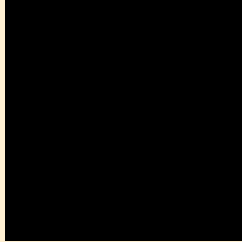
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.0329, 88.2333, 73.5745

Background



This preview shows how black text looks on a background with the XYZ color 84.0329, 88.2333, 73.5745.



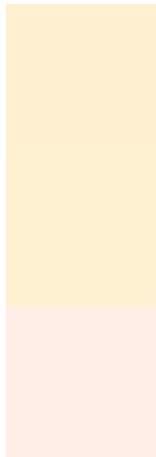
This preview shows how white text looks on a background with the XYZ color 84.0329, 88.2333,

73.5745.

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

84.0329, 88.2333, 73.5745

Protanopia

83.5962, 88.4464, 73.6386

Deuteranopia

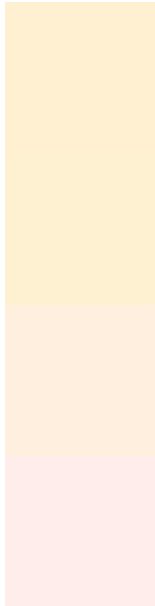
86.2383, 88.1786, 88.0762



Tritanopia

88.3343, 88.0905, 101.9700

Trichromacy



Original Color

84.0329, 88.2333, 73.5745

Protanomaly

83.9612, 88.6346, 73.6557

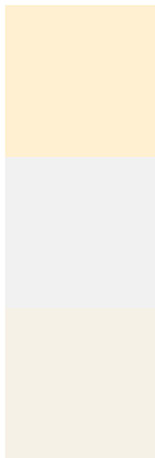
Deuteranomaly

85.4258, 88.3207, 82.3572

Tritanomaly

86.5196, 87.8265, 90.9894

Monochromacy



Original Color

84.0329, 88.2333, 73.5745

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

83.7443, 88.2166, 87.4766

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.0329, 88.2333, 73.5745 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, 240, 210)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 210)  
}
```

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, 240, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 210) }
```

Border

The CSS property to change the border of an element to XYZ 84.0329, 88.2333, 73.5745 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, 240, 210) }
```


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

```
.border{ border-color:rgb(255, 240, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 240, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 210);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 84.0329, 88.2333, 73.5745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 210) }
```

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

```
.background{ background-color: rgb(255,  
240, 210) }
```

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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