

# Converting Colors

XYZ(83.7045, 87.6183, 73.0640)

Have a look what the booklet for  
XYZ(83.7045, 87.6183, 73.0640)  
contains.

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# Color

**XYZ(83.6151, 87.5965,  
72.8224)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEFD1
RGB	255, 239, 209
RGB Percent	100%, 94%, 82%
CMY	0.0000, 0.0627, 0.1804
CMYK	0.00, 0.06, 0.18, 0.00
HSL	39°, 100%, 91%
HSV	39°, 18%, 100%
XYZ	83.6151, 87.5965, 72.8224
YIQ	240.3640, 19.1660, -5.9380

# Conversions

## Conversions Part 2

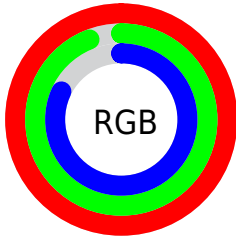
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	234, 255, 209
Decimal	16773073
CIE <sub>Lab</sub>	94.99, 0.68, 16.46
CIE <sub>LCh</sub>	95, 16.474, 87.623
Yxy	87.5965, 0.3426, 0.3590
Android (android.graphics.Color)	4294963153 (0xFFFFEFD1)
YUV	240.3640, -15.4625, 12.8358
Hunter-Lab	93.5930, -4.3175, 19.3830

# Details

The XYZ color **83.6151, 87.5965, 72.8224** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **71.2690, 74.6235, 105.2552**, and the grayscale version is **83.2184, 87.5522, 95.3443**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.1386, 48.2393, 37.8897** is the 20% darker color. If you saturate the color by 10%, you get **78.1754, 81.3714, 56.6601**, and if you desaturate by 10%, it is **89.6918, 94.2860, 91.6922**.

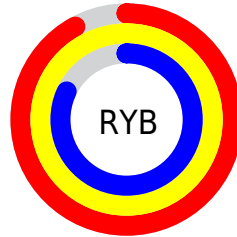
# Distribution



Red (100%)

Green (94%)

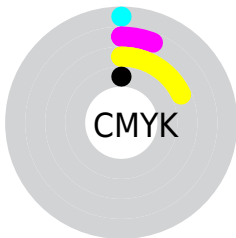
Blue (82%)



Red (92%)

Yellow (100%)

Blue (82%)

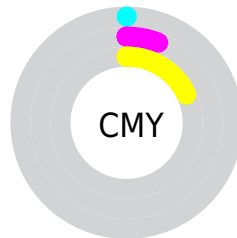


Cyan (0%)

Magenta (6%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (6%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.6151, 87.5965, 72.8224 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 83.6151, 87.5965, 72.8224 by changing the saturation by 10% instead.




 83.6151, 87.5965,  
72.8224

 83.6151, 87.5965,  
72.8224


495.5872,  
520.1810, 489.4533

 63.0163, 65.9890,  
53.3398


137.3607,  
143.9953, 124.9436

 46.1131, 48.2634,  
37.6845


171.2382,  
179.5553, 158.4194

 32.5401, 34.0356,  
25.4380

210.2727,  
220.5349, 197.3965

 21.9319, 22.9209,  
16.1817

254.8295,  
267.3185, 242.2937

 13.9232, 14.5351,  
9.4971

305.2740,  
320.2905, 293.5295

 8.1486, 8.4938,  
4.9656

361.9716,

 4.2428, 4.4125,

379.8354, 351.5223

2.1687

425.2875,  
446.3374, 416.6907

■ 1.8404, 1.9069,  
0.6562

■ 0.5418, 0.5525,  
0.0000

■ 83.6151, 87.5965,  
72.8224

■ 83.6151, 87.5965,  
72.8224

■ 78.1754, 81.3714,  
56.6601

■ 89.6918, 94.2860,  
91.6922

■ 73.3405, 75.5862,  
43.0727

95.0500, 100.0000,  
108.9000

■ 69.0847, 70.2306,  
31.9250

■ 65.3779, 65.2894,  
23.0668

■ 62.1864, 60.7462,  
16.3312

■ 59.4724, 56.5826,  
11.5286

■ 57.1915, 52.7776,  
8.4350

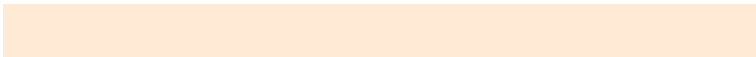
■ 55.2840, 49.3041,  
6.7465

■ 54.9374, 48.6549,  
6.4958

# Harmonies

## Analogous

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



87.9491, 87.5965, 76.0502



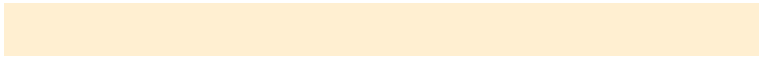
83.6151, 87.5965, 72.8224



79.3333, 87.5965, 75.1750

# Triad

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



83.6151, 87.5965, 72.8224



75.8673, 87.5965, 107.2606



90.7351, 87.5965, 109.1857

# Complementary

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



83.6151, 87.5965, 72.8224



71.2690, 74.6235, 105.2552

# Split Complementary

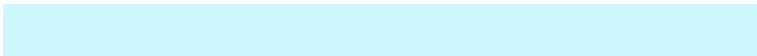
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.3097, 87.5965, 118.9098



83.6151, 87.5965, 72.8224



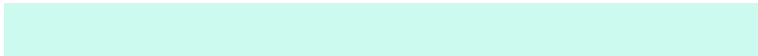
78.7365, 87.5965, 117.7302

# Square

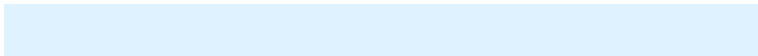
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.6151, 87.5965, 72.8224



74.9565, 87.5965, 94.3597



82.9016, 87.5965, 122.1669



92.1505, 87.5965, 96.4030

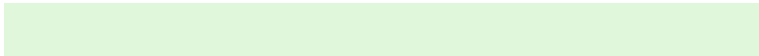


# Rectangle

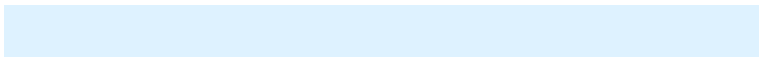
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.6151, 87.5965, 72.8224



77.0643, 87.5965, 79.7198



82.9016, 87.5965, 122.1669



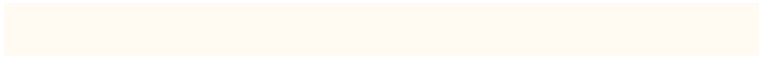
89.7746, 87.5965, 112.9623

# Sweetspot

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



83.6172, 87.6003, 72.8242



91.6666, 96.4099, 97.9790



77.6453, 72.3036, 81.1702



19.5215, 20.5297, 20.6553



0.0000, 0.0000, 0.0000

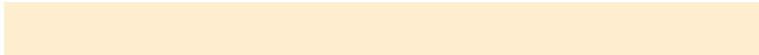


20.3446, 21.4041, 23.3091



# Same Dimension

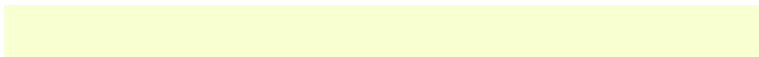
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6172, 87.6003, 72.8242



81.3872, 85.0788, 66.1043



86.0158, 96.0983, 74.3381



18.9984, 19.9651, 18.9967



28.8511, 25.7134, 3.4426



2.9114, 2.7082, 0.3693



# Inverse Universe

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



71.2690, 74.6235, 105.2552



66.7535, 69.7021, 104.5433



69.1407, 67.4058, 103.9742



17.5195, 18.4106, 22.8802



11.4089, 7.7275, 50.3248

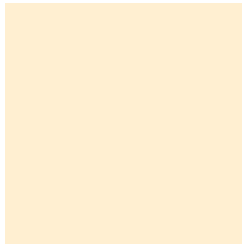


1.2084, 0.9475, 4.9325



# Previews

## White Background



This preview shows how the XYZ color 83.6151, 87.5965, 72.8224 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

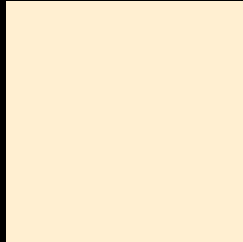
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.6151, 87.5965, 72.8224 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

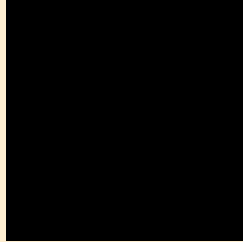
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 83.6151, 87.5965, 72.8224

## Background



This preview shows how black text looks on a background with the XYZ color 83.6151, 87.5965, 72.8224.



This preview shows how white text looks on a background with the XYZ color 83.6151, 87.5965,

72.8224.

# 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

83.6151, 87.5965, 72.8224

### Protanopia

82.8136, 87.6191, 72.8690

### Deuteranopia

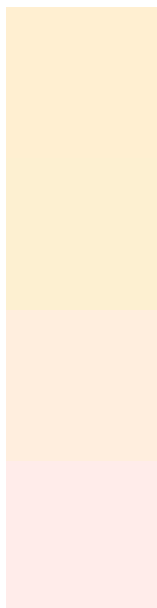
85.6670, 87.4855, 86.5000



## Tritanopia

87.8916, 87.4540, 101.0549

# Trichromacy



## Original Color

83.6151, 87.5965, 72.8224

## Protanomaly

83.1767, 87.8063, 72.8860

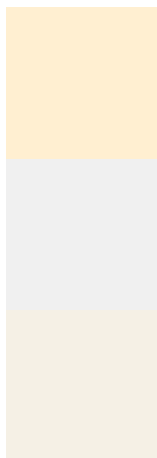
## Deuteranomaly

84.9994, 87.6830, 81.5518

## Tritanomaly

86.0867, 87.1914, 90.1343

# Monochromacy



## Original Color

83.6151, 87.5965, 72.8224

## Achromatopsia

82.8234, 87.1367, 94.8919

## Achromatomaly

82.9591, 87.3898, 86.6242

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.6151, 87.5965, 72.8224 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, 239, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 209)  
}
```

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, 239, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 83.6151, 87.5965, 72.8224 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, 239, 209) }
```



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

```
.border{ border-color:rgb(255, 239, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.6151, 87.5965, 72.8224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 209) }
```

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

```
.background{ background-color: rgb(255,  
239, 209) }
```

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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