

# Converting Colors

XYZ(86.4230, 76.3602, 64.1425)

Have a look what the booklet for  
XYZ(86.4230, 76.3602, 64.1425)  
contains.

<b>XYZ(73.8616, 70.0092, 63.6530)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(73.8616, 70.0092,  
63.6530)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCFC7
RGB	255, 207, 199
RGB Percent	100%, 81%, 78%
CMY	0.0000, 0.1882, 0.2196
CMYK	0.00, 0.19, 0.22, 0.00
HSL	9°, 100%, 89%
HSV	9°, 22%, 100%
XYZ	73.8616, 70.0092, 63.6530
YIQ	220.4400, 31.1760, 7.6880

# Conversions

## Conversions Part 2

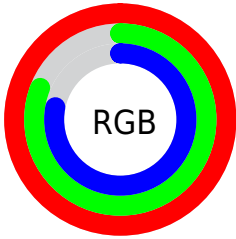
Format	Color
R <sub>Y</sub> B	255, 208, 199
Decimal	16764871
CIE Lab	87.00, 15.72, 10.36
CIE LCh	87, 18.823, 33.386
Yxy	70.0092, 0.3559, 0.3374
Android (android.graphics.Color)	4294954951 (0xFFFFCFC7)
YUV	220.4400, -10.5699, 30.3091
Hunter-Lab	83.6715, 11.1470, 13.4652

# Details

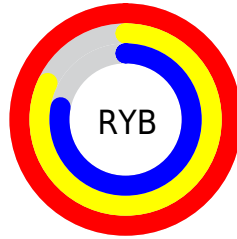
The XYZ color **73.8616, 70.0092, 63.6530** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **74.8629, 85.8809, 107.2387**, and the grayscale version is **68.3927, 71.9545, 78.3584**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.7908, 36.8326, 31.8003** is the 20% darker color. If you saturate the color by 10%, you get **66.2121, 59.0579, 47.6996**, and if you desaturate by 10%, it is **82.7436, 82.6309, 82.4664**.

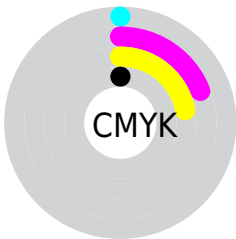
# Distribution



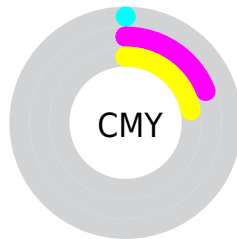
- Red (100%)
- Green (81%)
- Blue (78%)



- Red (100%)
- Yellow (82%)
- Blue (78%)



- Cyan (0%)
- Magenta (19%)
- Yellow (22%)
- Black (0%)




- Cyan (0%)
- Magenta (19%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.8616, 70.0092, 63.6530 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 73.8616, 70.0092, 63.6530 by changing the saturation by 10% instead.



 73.8616, 70.0092,  
63.6530

 73.8616, 70.0092,  
63.6530

463.0533,  
460.5823, 456.1085

 54.9717, 51.5340,  
45.9253


123.6962,  
119.2219, 111.7057

 39.6128, 36.6338,  
31.8386

155.3715,  
150.7282, 142.8678

 27.4196, 24.9241,  
20.9745

192.0393,  
187.3470, 179.3451

 18.0268, 16.0205,  
12.9143

234.0649,  
229.4627, 221.5561

 11.0691, 9.5387,  
7.2395

281.8138,  
277.4597, 269.9194

 6.1809, 5.0942,  
3.5316

335.6513,

 2.9971, 2.3026,

331.7223, 324.8536

1.3721

395.9426,  
392.6351, 386.7771

■ 1.1522, 0.7751,  
0.1198

■ 0.0682, 0.0000,  
0.0000

■ 73.8616, 70.0092,  
63.6530

■ 73.8616, 70.0092,  
63.6530

■ 66.2121, 59.0579,  
47.6996

■ 82.7436, 82.6309,  
82.4664

■ 59.7354, 49.6980,  
34.4619

■ 92.9041, 96.9793,  
104.2660

■ 54.3742, 41.8579,  
23.7892

95.0500, 100.0000,  
108.9000

■ 50.0647, 35.4569,  
15.5148

■ 46.7362, 30.4067,  
9.4518

■ 44.3092, 26.6093,  
5.3857

■ 42.6910, 23.9528,  
3.0587

■ 41.8846, 22.5493,  
2.1449

# Harmonies

## Analogous

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



75.3529, 70.0092, 74.8055



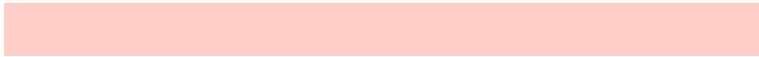
73.8616, 70.0092, 63.6530



70.4056, 70.0092, 56.5463

# Triad

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



73.8616, 70.0092, 63.6530



59.2581, 70.0092, 65.8771



67.0427, 70.0092, 103.0749

# Complementary

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



73.8616, 70.0092, 63.6530



74.8629, 85.8809, 107.2387

# 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.



62.8217, 70.0092, 100.0169



73.8616, 70.0092, 63.6530



58.4455, 70.0092, 77.6686

# Square

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



73.8616, 70.0092, 63.6530



61.9922, 70.0092, 57.7276



59.7220, 70.0092, 90.3591



71.3084, 70.0092, 98.3110



# Rectangle

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



73.8616, 70.0092, 63.6530



67.5213, 70.0092, 54.5968



59.7220, 70.0092, 90.3591



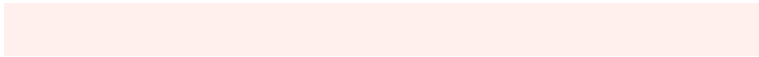
65.5716, 70.0092, 102.9294

# Sweetspot

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



73.8633, 70.0123, 63.6544



87.6203, 89.5278, 92.8982



78.5347, 68.8559, 97.5793



18.6237, 18.9781, 19.6038



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.



73.8633, 70.0123, 63.6544



70.6274, 65.3905, 56.8727



81.1050, 84.4956, 66.0683



18.2188, 18.4058, 18.7368



21.9485, 11.9083, 1.1417



2.1970, 1.2795, 0.1312



# Inverse Universe

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



74.8629, 85.8809, 107.2387



71.7726, 83.6219, 106.9656



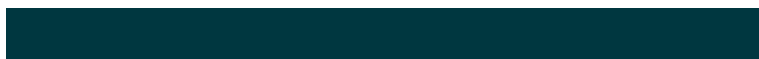
67.0747, 70.3046, 104.6427



18.3205, 20.0126, 23.1472



22.6911, 30.2917, 54.0855



2.2673, 3.0653, 5.2854



# Previews

## White Background



This preview shows how the XYZ color 73.8616, 70.0092, 63.6530 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

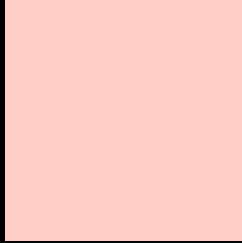
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.8616, 70.0092, 63.6530 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

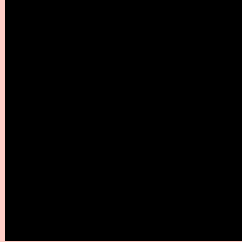
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 73.8616, 70.0092, 63.6530**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.8616, 70.0092, 63.6530.



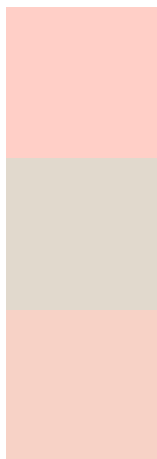
This preview shows how white text looks on a background with the XYZ color 73.8616, 70.0092,



# 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

73.8616, 70.0092, 63.6530

### Protanopia

66.8836, 70.0410, 67.7517

### Deuteranopia

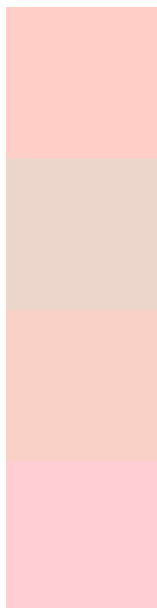
71.5974, 69.9446, 63.1531



## Tritanopia

75.9896, 70.0900, 77.2338

# Trichromacy



## Original Color

73.8616, 70.0092, 63.6530

## Protanomaly

69.1658, 69.7332, 66.3143

## Deuteranomaly

72.4178, 70.0021, 63.1210

## Tritanomaly

75.1950, 70.1561, 71.8656

# Monochromacy



## Original Color

73.8616, 70.0092, 63.6530

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

69.7884, 70.6780, 72.2513

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.8616, 70.0092, 63.6530 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, 207, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 207, 199)  
}
```

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, 207, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 207, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 73.8616, 70.0092, 63.6530 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, 207, 199) }
```



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

```
.border{ border-color:rgb(255, 207, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 207, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 207, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 207, 199);  
box-shadow:4px 4px 4px 4px rgb(255, 207,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.8616, 70.0092, 63.6530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 207, 199) }
```

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

```
.background{ background-color: rgb(255,  
207, 199) }
```

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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