

Converting Colors

XYZ(80.3012, 76.4909, 85.5219)

Have a look what the booklet for
XYZ(80.3012, 76.4909, 85.5219)
contains.

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Color

**XYZ(80.3358, 76.5989,
85.4138)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD9E6
RGB	255, 217, 230
RGB Percent	100%, 85%, 90%
CMY	0.0000, 0.1490, 0.0980
CMYK	0.00, 0.15, 0.10, 0.00
HSL	339°, 100%, 93%
HSV	339°, 15%, 100%
XYZ	80.3358, 76.5989, 85.4138
YIQ	229.8440, 18.4750, 12.0990

Conversions

Conversions Part 2

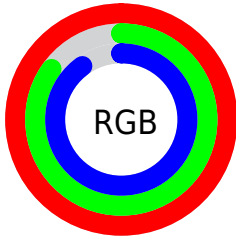
Format	Color
R _Y B	255, 217, 230
Decimal	16767462
CIE Lab	90.14, 15.26, -1.46
CIE LCh	90, 15.329, 354.539
Yxy	76.5989, 0.3315, 0.3161
Android (android.graphics.Color)	4294957542 (0xFFFFD9E6)
YUV	229.8440, 0.0769, 22.0618
Hunter-Lab	87.5208, 10.6847, 3.4019

Details

The XYZ color **80.3358, 76.5989, 85.4138** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **80.4048, 92.6837, 97.6600**, and the grayscale version is **75.0899, 79.0005, 86.0315**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9469, 40.9416, 46.1437** is the 20% darker color. If you saturate the color by 10%, you get **72.0200, 63.5582, 71.5717**, and if you desaturate by 10%, it is **89.8974, 91.7677, 100.7922**.

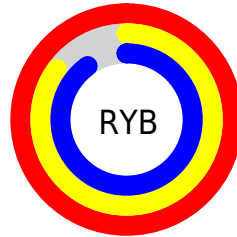
Distribution



Red (100%)

Green (85%)

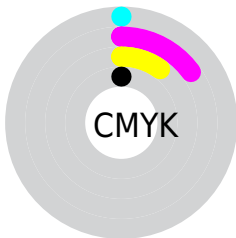
Blue (90%)



Red (100%)

Yellow (85%)

Blue (90%)

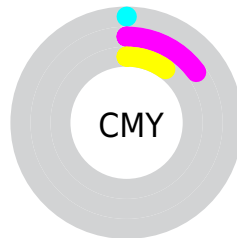


Cyan (0%)

Magenta (15%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (15%)

Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.3358, 76.5989, 85.4138 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 80.3358, 76.5989, 85.4138 by changing the saturation by 10% instead.

 80.3358, 76.5989,
85.4138

 80.3358, 76.5989,
85.4138

484.7831,
483.3954, 533.1766

 60.3041, 56.9237,
63.6312


132.7858,
128.5731, 142.8305

 43.9142, 40.9440,
45.9078


165.9348,
161.6410, 179.3016

 30.8007, 28.2753,
31.8249


204.1870,
199.9419, 221.5061

 20.5982, 18.5333,
20.9641

247.9078,
243.8602, 269.8624

 12.9414, 11.3336,
12.9068

297.4624,
293.7803, 324.7890

 7.4649, 6.2917,
7.2344

353.2163,

 3.8034, 3.0232,

350.0866, 386.7046

3.5285

415.5347,
413.1635, 456.0276

■ 1.5915, 1.1439,
1.3704

■ 0.3869, 0.0151,
0.1185

■ 80.3358, 76.5989,
85.4138

■ 80.3358, 76.5989,
85.4138

■ 72.0200, 63.5582,
71.5717

■ 89.8974, 91.7677,
100.7922

■ 64.8919, 52.5405,
59.2119

95.0500, 100.0000,
108.9000

■ 58.8966, 43.4461,
48.2843

■ 53.9724, 36.1632,
38.7339

■ 50.0516, 30.5681,
30.5018

■ 47.0584, 26.5213,
23.5241

■ 44.9051, 23.8611,
17.7307

■ 43.4851, 22.3884,
13.0421

■ 42.9693, 21.9517,
11.0364

Harmonies

Analogous

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



78.9300, 76.5989, 96.1632



80.3358, 76.5989, 85.4138



79.6673, 76.5989, 74.9979

Triad

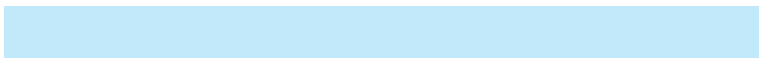
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.3358, 76.5989, 85.4138



69.8077, 76.5989, 65.7529



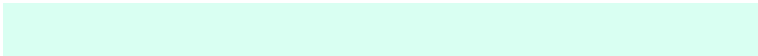
68.6412, 76.5989, 101.6660

Complementary

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



80.3358, 76.5989, 85.4138



80.4048, 92.6837, 97.6600

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.



66.3484, 76.5989, 92.4141



80.3358, 76.5989, 85.4138



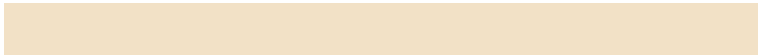
67.0053, 76.5989, 71.8250

Square

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



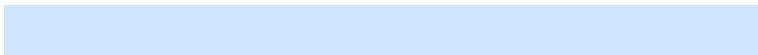
80.3358, 76.5989, 85.4138



73.5037, 76.5989, 64.2305



65.7601, 76.5989, 81.4244



72.1107, 76.5989, 106.0554

Rectangle

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



80.3358, 76.5989, 85.4138



78.1469, 76.5989, 69.5493



65.7601, 76.5989, 81.4244



67.7122, 76.5989, 98.9845

Sweetspot

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



80.3375, 76.6021, 85.4154



90.8201, 93.2391, 102.2522



79.3802, 75.6734, 105.0304



19.2739, 19.6934, 21.6247



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

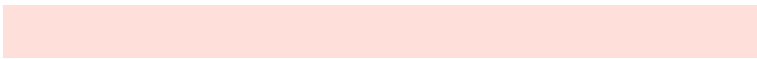
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3375, 76.6021, 85.4154



77.6283, 72.3353, 80.9615



80.0741, 78.8880, 76.6563



18.2658, 18.0896, 20.0167



22.5150, 11.4953, 6.0964



2.2411, 1.1388, 0.8509

Inverse Universe

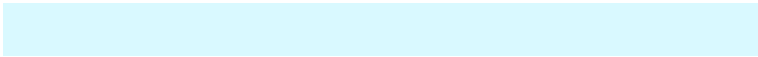
The Inverse Universe completely reimagines the original color for something new.



80.3375, 76.6021, 85.4154



77.6283, 72.3353, 80.9615



80.6358, 89.9102, 107.7122



18.2658, 18.0896, 20.0167



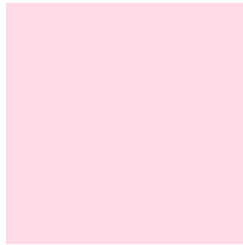
22.5150, 11.4953, 6.0964



2.2411, 1.1388, 0.8509

Previews

White Background



This preview shows how the XYZ color 80.3358, 76.5989, 85.4138 looks on a white background.

Color Contrast Check

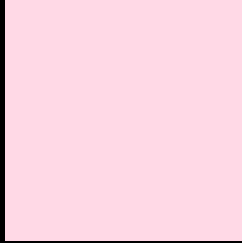
Large Text (above 18pt) WCAG AA × Fail

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 80.3358, 76.5989, 85.4138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

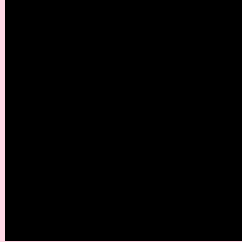
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.3358, 76.5989, 85.4138

Background



This preview shows how black text looks on a background with the XYZ color 80.3358, 76.5989, 85.4138.



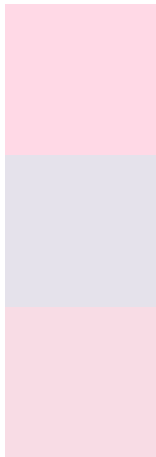
This preview shows how white text looks on a background with the XYZ color 80.3358, 76.5989,

85.4138.

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

80.3358, 76.5989, 85.4138

Protanopia

74.5049, 77.0489, 89.5424

Deuteranopia

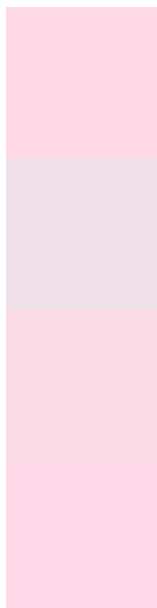
78.4475, 76.8000, 84.8180



Tritanopia

80.7608, 76.7689, 87.6521

Trichromacy



Original Color

80.3358, 76.5989, 85.4138

Protanomaly

76.3556, 76.8357, 87.8972

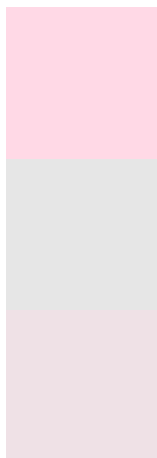
Deuteranomaly

79.2580, 76.8294, 84.7810

Tritanomaly

80.6183, 76.7119, 86.9018

Monochromacy



Original Color

80.3358, 76.5989, 85.4138

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

76.8047, 77.9143, 85.8538

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.3358, 76.5989, 85.4138 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, 217, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 230)  
}
```

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, 217, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 230) }
```

Border

The CSS property to change the border of an element to XYZ 80.3358, 76.5989, 85.4138 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, 217, 230) }
```


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

```
.border{ border-color:rgb(255, 217, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 217, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 80.3358, 76.5989, 85.4138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 217, 230) }
```

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

```
.background{ background-color: rgb(255,  
217, 230) }
```

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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