

Converting Colors

XYZ(137.5018, 105.3018,
83.1073)

Have a look what the booklet for
XYZ(137.5018, 105.3018, 83.1073)
contains.

XYZ(78.8597, 75.1886, 80.1685)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(78.8597, 75.1886,
80.1685)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD7DF
RGB	255, 215, 223
RGB Percent	100%, 84%, 87%
CMY	0.0000, 0.1568, 0.1255
CMYK	0.00, 0.16, 0.13, 0.00
HSL	348°, 100%, 92%
HSV	348°, 16%, 100%
XYZ	78.8597, 75.1886, 80.1685
YIQ	227.8720, 21.2720, 10.9680

Conversions

Conversions Part 2

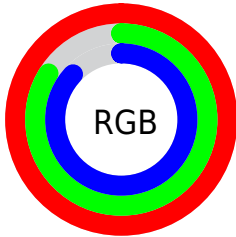
Format	Color
R _Y B	255, 215, 223
Decimal	16766943
CIE Lab	89.48, 15.17, 1.27
CIE LCh	89, 15.224, 4.774
Yxy	75.1886, 0.3367, 0.3210
Android (android.graphics.Color)	4294957023 (0xFFFFD7DF)
YUV	227.8720, -2.4019, 23.7913
Hunter-Lab	86.7114, 10.5921, 5.8817

Details

The XYZ color **78.8597, 75.1886, 80.1685** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **80.5754, 92.6837, 101.6424**, and the grayscale version is **73.6569, 77.4928, 84.3897**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.9274, 39.9745, 42.4991** is the 20% darker color. If you saturate the color by 10%, you get **70.2784, 62.1660, 64.5450**, and if you desaturate by 10%, it is **88.7880, 90.3741, 97.8783**.

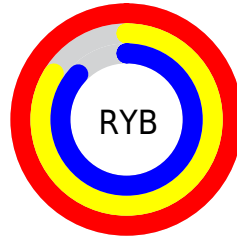
Distribution



Red (100%)

Green (84%)

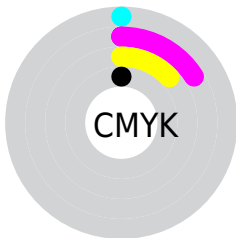
Blue (87%)



Red (100%)

Yellow (84%)

Blue (87%)

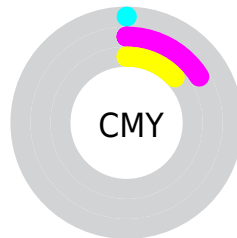


Cyan (0%)

Magenta (16%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (16%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.8597, 75.1886, 80.1685 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 78.8597, 75.1886, 80.1685 by changing the saturation by 10% instead.


 78.8597, 75.1886,
80.1685

 78.8597, 75.1886,
80.1685


479.8768,
478.5656, 515.2222

 59.0857, 55.7674,
59.3300


130.7203,
126.5793, 135.4161

 42.9287, 40.0165,
42.4571

163.5376,
159.3176, 170.6624

 30.0235, 27.5514,
29.1311


201.4334,
197.2637, 211.5484

 20.0046, 17.9878,
18.9336

244.7730,
240.8021, 258.4925

 12.5067, 10.9412,
11.4460

293.9218,
290.3170, 311.9135

 7.1644, 6.0273,
6.2497

349.2451,

 3.6123, 2.8617,

346.1930, 372.2297

2.9263

411.1084,
408.8144, 439.8598

■ 1.4853, 1.0600,
1.0571

■ 0.3158, 0.0000,
0.0000

■ 78.8597, 75.1886,
80.1685

■ 78.8597, 75.1886,
80.1685

■ 70.2784, 62.1660,
64.5450

■ 88.7880, 90.3741,
97.8783

■ 62.9804, 51.1987,
50.9257

95.0500, 100.0000,
108.9000

■ 56.9046, 42.1839,
39.2300

■ 51.9828, 35.0064,
29.3699

■ 48.1399, 29.5389,
21.2504

■ 45.2918, 25.6374,
14.7678

■ 43.3412, 23.1345,
9.8066

■ 42.1696, 21.8234,
6.2348

■ 41.8371, 21.4988,
5.0740

Harmonies

Analogous

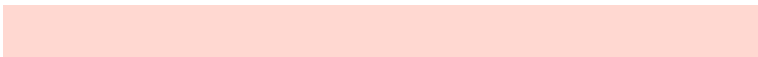
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.1573, 75.1886, 90.9462



78.8597, 75.1886, 80.1685



77.5249, 75.1886, 70.6927

Triad

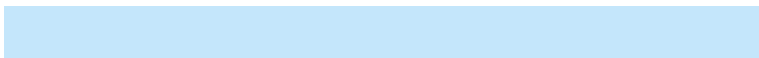
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.8597, 75.1886, 80.1685



67.4479, 75.1886, 66.1145



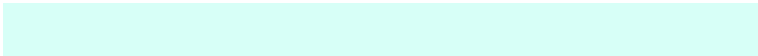
68.4484, 75.1886, 101.9102

Complementary

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



78.8597, 75.1886, 80.1685



80.5754, 92.6837, 101.6424

Split Complementary

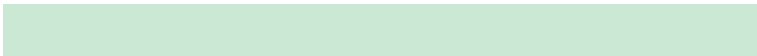
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



65.7285, 75.1886, 94.1621



78.8597, 75.1886, 80.1685



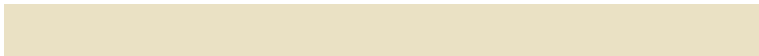
65.1651, 75.1886, 73.4142

Square

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



78.8597, 75.1886, 80.1685



70.8687, 75.1886, 63.0411



64.5467, 75.1886, 83.5905



72.0636, 75.1886, 104.1123

Rectangle

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



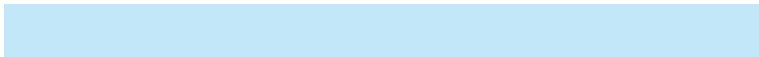
78.8597, 75.1886, 80.1685



75.6857, 75.1886, 66.1953



64.5467, 75.1886, 83.5905



67.4032, 75.1886, 99.8368

Sweetspot

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



78.8615, 75.1918, 80.1701



89.5173, 91.4935, 99.1673



80.7102, 75.5984, 104.9458



19.0000, 19.3372, 20.9424



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

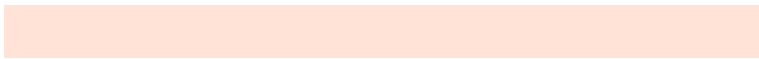
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.8615, 75.1918, 80.1701



75.8691, 70.6380, 74.7615



80.9768, 81.1071, 75.6814



18.1578, 18.0464, 19.4482



21.9024, 11.2503, 2.8707



2.1691, 1.1100, 0.4721

Inverse Universe

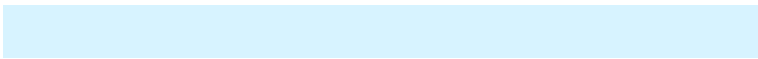
The Inverse Universe completely reimagines the original color for something new.



78.8615, 75.1918, 80.1701



75.8691, 70.6380, 74.7615



78.1273, 85.7703, 107.0453



18.1578, 18.0464, 19.4482



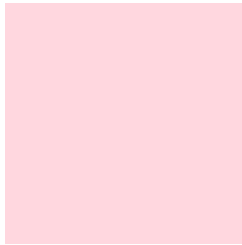
21.9024, 11.2503, 2.8707



2.1691, 1.1100, 0.4721

Previews

White Background



This preview shows how the XYZ color 78.8597, 75.1886, 80.1685 looks on a white background.

Color Contrast Check

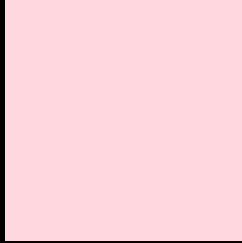
Large Text (above 18pt) WCAG AA × Fail

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 78.8597, 75.1886, 80.1685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

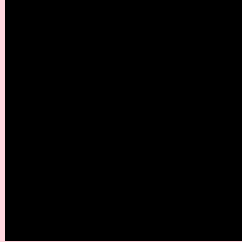
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.8597, 75.1886, 80.1685

Background



This preview shows how black text looks on a background with the XYZ color 78.8597, 75.1886, 80.1685.



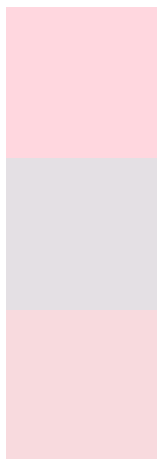
This preview shows how white text looks on a background with the XYZ color 78.8597, 75.1886,

80.1685.

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

78.8597, 75.1886, 80.1685

Protanopia

72.6542, 75.4067, 84.1245

Deuteranopia

76.9676, 75.3732, 79.5991



Tritanopia

79.5695, 75.0663, 85.1584

Trichromacy



Original Color

78.8597, 75.1886, 80.1685

Protanomaly

74.8438, 75.3810, 82.5568

Deuteranomaly

77.7813, 75.4089, 79.5631

Tritanomaly

79.1517, 74.8992, 82.9583

Monochromacy



Original Color

78.8597, 75.1886, 80.1685

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

75.3750, 76.4435, 82.7339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.8597, 75.1886, 80.1685 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, 215, 223)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 223)  
}
```

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, 215, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 223) }
```

Border

The CSS property to change the border of an element to XYZ 78.8597, 75.1886, 80.1685 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, 215, 223) }
```


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

```
.border{ border-color:rgb(255, 215, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 215, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 223);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 78.8597, 75.1886, 80.1685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 223) }
```

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

```
.background{ background-color: rgb(255,  
215, 223) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor