

Converting Colors

XYZ(80.1604, 76.9517, 83.1862)

Have a look what the booklet for
XYZ(80.1604, 76.9517, 83.1862)
contains.

XYZ(80.1765, 76.9489, 83.2999)	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(80.1765, 76.9489,
83.2999)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDAE3
RGB	255, 218, 227
RGB Percent	100%, 85%, 89%
CMY	0.0000, 0.1451, 0.1098
CMYK	0.00, 0.15, 0.11, 0.00
HSL	345°, 100%, 93%
HSV	345°, 15%, 100%
XYZ	80.1765, 76.9489, 83.2999
YIQ	230.0890, 19.1630, 10.6430

Conversions

Conversions Part 2

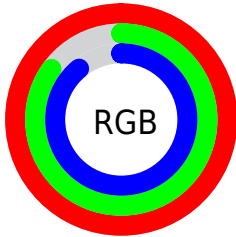
Format	Color
R_{YB}	255, 218, 227
Decimal	16767715
CIE _{Lab}	90.30, 14.25, 0.35
CIE _{LCh}	90, 14.255, 1.422
Yxy	76.9489, 0.3335, 0.3201
Android (android.graphics.Color)	4294957795 (0xFFFFDAE3)
YUV	230.0890, -1.5229, 21.8469
Hunter-Lab	87.7205, 9.6380, 5.1022

Details

The XYZ color **80.1765, 76.9489, 83.2999** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **81.3106, 93.0805, 100.8734**, and the grayscale version is **75.2823, 79.2028, 86.2519**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.8323, 41.1787, 44.6678** is the 20% darker color. If you saturate the color by 10%, you get **71.5495, 63.7214, 68.0108**, and if you desaturate by 10%, it is **90.1231, 92.3369, 100.5040**.

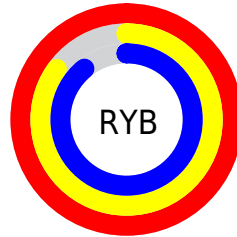
Distribution



Red (100%)

Green (85%)

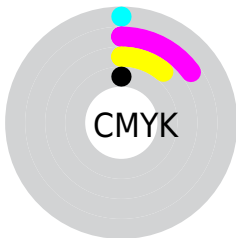
Blue (89%)



Red (100%)

Yellow (85%)

Blue (89%)

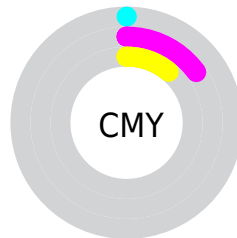


Cyan (0%)

Magenta (15%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (15%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.1765, 76.9489, 83.2999 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 80.1765, 76.9489, 83.2999 by changing the saturation by 10% instead.

 80.1765, 76.9489,
83.2999

 80.1765, 76.9489,
83.2999


484.2549,
484.5898, 525.9826

 60.1726, 57.2109,
61.8955


132.5631,
129.0673, 139.8484

 43.8077, 41.1746,
44.5131


165.6764,
162.2166, 175.8296

 30.7167, 28.4556,
30.7339


203.8903,
200.6051, 217.5069

 20.5339, 18.6693,
20.1395

247.5701,
244.6172, 265.2987

 12.8943, 11.4316,
12.3114

297.0810,
294.6374, 319.6237

 7.4323, 6.3579,
6.8310

352.7886,

 3.7826, 3.0639,

351.0499, 380.9003

3.2798

415.0581,
414.2392, 449.5471

■ 1.5799, 1.1652,
1.2392

■ 0.3793, 0.0330,
0.0112

■ 80.1765, 76.9489,
83.2999

■ 80.1765, 76.9489,
83.2999

■ 71.5495, 63.7214,
68.0108

■ 90.1231, 92.3369,
100.5040

■ 64.1804, 52.5479,
54.5648

95.0500, 100.0000,
108.9000

■ 58.0108, 43.3278,
42.8924

■ 52.9753, 35.9479,
32.9178

■ 49.0022, 30.2833,
24.5594

■ 46.0112, 26.1935,
17.7288

■ 43.9099, 23.5156,
12.3281

■ 42.5867, 22.0501,
8.2465

■ 42.1096, 21.6079,
6.5094

Harmonies

Analogous

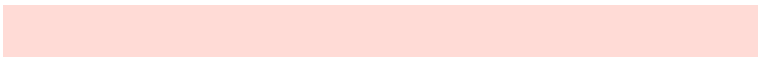
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.2978, 76.9489, 93.4886



80.1765, 76.9489, 83.2999



79.1190, 76.9489, 73.9994

Triad

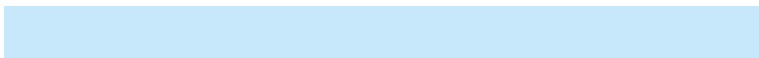
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.1765, 76.9489, 83.2999



69.6361, 76.9489, 68.1836



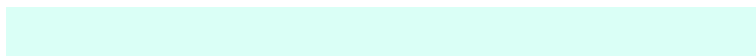
69.9205, 76.9489, 102.1525

Complementary

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



80.1765, 76.9489, 83.2999



81.3106, 93.0805, 100.8734

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.



67.4655, 76.9489, 94.3958



80.1765, 76.9489, 83.2999



67.3051, 76.9489, 74.7759

Square

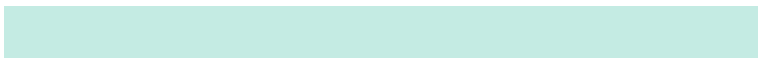
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.1765, 76.9489, 83.2999



72.9683, 76.9489, 65.7200



66.5233, 76.9489, 84.2705



73.3072, 76.9489, 104.8880

Rectangle

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



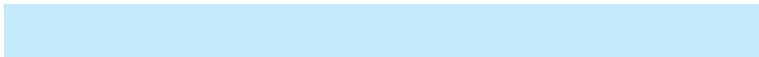
80.1765, 76.9489, 83.2999



77.4776, 76.9489, 69.4108



66.5233, 76.9489, 84.2705



68.9628, 76.9489, 100.0165

Sweetspot

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



80.1783, 76.9522, 83.3015



90.6637, 93.1766, 101.4289



81.0419, 76.9140, 105.1822



19.2345, 19.6776, 21.4168



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

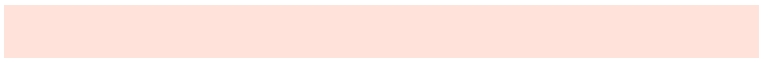
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.1783, 76.9522, 83.3015



77.9065, 73.4563, 79.3138



81.4345, 81.3999, 77.7536



18.1904, 18.0595, 19.6200



22.0519, 11.3101, 3.6579



2.1880, 1.1176, 0.5713

Inverse Universe

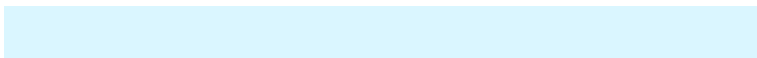
The Inverse Universe completely reimagines the original color for something new.



80.1783, 76.9522, 83.3015



77.9065, 73.4563, 79.3138



79.8455, 87.8869, 107.3633



18.1904, 18.0595, 19.6200



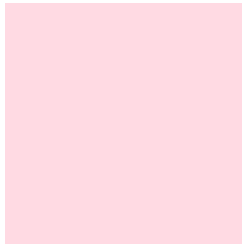
22.0519, 11.3101, 3.6579



2.1880, 1.1176, 0.5713

Previews

White Background



This preview shows how the XYZ color 80.1765, 76.9489, 83.2999 looks on a white background.

Color Contrast Check

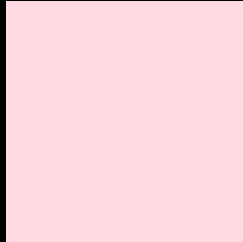
Large Text (above 18pt) WCAG AA × Fail

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 80.1765, 76.9489, 83.2999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

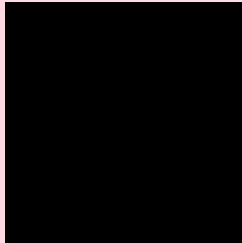
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.1765, 76.9489, 83.2999

Background



This preview shows how black text looks on a background with the XYZ color 80.1765, 76.9489, 83.2999.



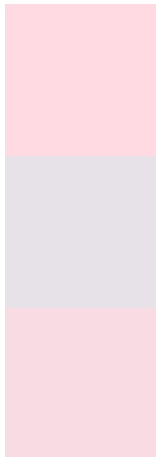
This preview shows how white text looks on a background with the XYZ color 80.1765, 76.9489,

83.2999.

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

80.1765, 76.9489, 83.2999

Protanopia

74.3950, 77.0419, 87.2935

Deuteranopia

78.5252, 76.8722, 83.3721



Tritanopia

80.9041, 76.8262, 88.4067

Trichromacy



Original Color

80.1765, 76.9489, 83.2999

Protanomaly

76.2672, 76.8392, 85.6747

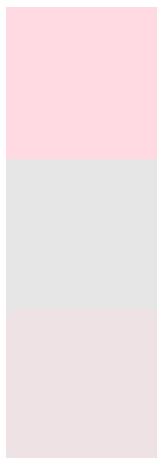
Deuteranomaly

78.9803, 76.7183, 83.3185

Tritanomaly

80.4767, 76.6552, 86.1557

Monochromacy



Original Color

80.1765, 76.9489, 83.2999

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

76.9358, 78.4006, 85.2066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.1765, 76.9489, 83.2999 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, 218, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 218, 227)  
}
```

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, 218, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 218, 227) }
```

Border

The CSS property to change the border of an element to XYZ 80.1765, 76.9489, 83.2999 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, 218, 227) }
```


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

```
.border{ border-color:rgb(255, 218, 227) }
```

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

Here you see how a box with a 4 pixel rgb(255, 218, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 218, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 218, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 218,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 80.1765, 76.9489, 83.2999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 218, 227) }
```

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

```
.background{ background-color: rgb(255,  
218, 227) }
```

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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