

# Converting Colors

XYZ(82.1452, 80.4433, 85.3212)

Have a look what the booklet for  
XYZ(82.1452, 80.4433, 85.3212)  
contains.

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# **Color**

**XYZ(82.0385, 80.2285,  
85.2905)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE0E5
RGB	255, 224, 229
RGB Percent	100%, 88%, 90%
CMY	0.0000, 0.1215, 0.1020
CMYK	0.00, 0.12, 0.10, 0.00
HSL	350°, 100%, 94%
HSV	350°, 12%, 100%
XYZ	82.0385, 80.2285, 85.2905
YIQ	233.8390, 16.8710, 8.1270

# Conversions

## Conversions Part 2

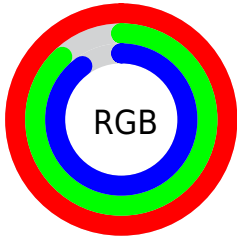
Format	Color
R <sub>Y</sub> B	255, 224, 229
Decimal	16769253
CIE Lab	91.79, 11.46, 1.48
CIE LCh	92, 11.556, 7.338
Yxy	80.2285, 0.3314, 0.3241
Android (android.graphics.Color)	4294959333 (0xFFFE0E5)
YUV	233.8390, -2.3856, 18.5582
Hunter-Lab	89.5704, 6.7420, 6.2423

# Details

The XYZ color **82.0385, 80.2285, 85.2905** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **83.7584, 94.2707, 104.2278**, and the grayscale version is **78.0952, 82.1622, 89.4747**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.1167, 43.4377, 46.0508** is the 20% darker color. If you saturate the color by 10%, you get **72.8874, 66.4149, 68.4020**, and if you desaturate by 10%, it is **92.5892, 96.2514, 104.4632**.

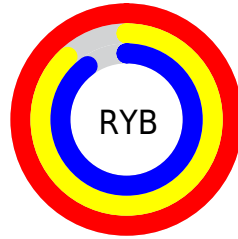
# Distribution



Red (100%)

Green (88%)

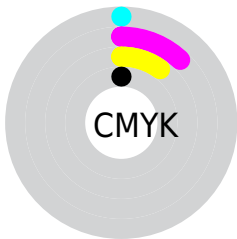
Blue (90%)



Red (100%)

Yellow (88%)

Blue (90%)

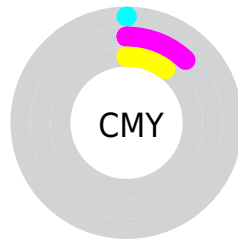


Cyan (0%)

Magenta (12%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (12%)


Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.0385, 80.2285, 85.2905 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 82.0385, 80.2285, 85.2905 by changing the saturation by 10% instead.




 82.0385, 80.2285,  
85.2905

 82.0385, 80.2285,  
85.2905


490.4090,  
495.7026, 532.7585

 61.7115, 59.9064,  
63.5299


135.1635,  
133.6869, 142.6567

 45.0543, 43.3432,  
45.8263

168.6923,  
167.5921, 179.0995

 31.7017, 30.1545,  
31.7611


207.3523,  
206.7937, 221.2733

 21.2882, 19.9559,  
20.9158

251.5089,  
251.6762, 269.5969

 13.4485, 12.3630,  
12.8718

301.5276,  
302.6239, 324.4886

 7.8172, 6.9914,  
7.2106

357.7736,

 4.0290, 3.4567,

360.0213, 386.3671

3.5137

420.6123,  
424.2527, 455.6509

■ 1.7186, 1.3746,  
1.3626

■ 0.4679, 0.1979,  
0.1123

■ 82.0385, 80.2285,  
85.2905

■ 82.0385, 80.2285,  
85.2905

■ 72.8874, 66.4149,  
68.4020

■ 92.5892, 96.2514,  
104.4632

■ 65.0712, 54.7041,  
53.7072

95.0500, 100.0000,  
108.9000

■ 58.5288, 44.9957,  
41.1171

■ 53.1917, 37.1772,  
30.5346

■ 48.9852, 31.1248,  
21.8549

■ 45.8260, 26.7002,  
14.9634

■ 43.6190, 23.7441,  
9.7331

■ 42.2510, 22.0648,  
6.0192

■ 41.6420, 21.4208,  
4.0468

# Harmonies

## Analogous

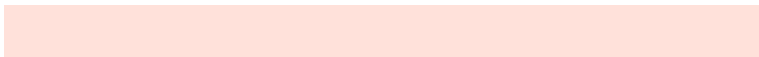
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.6269, 80.2285, 93.7855



82.0385, 80.2285, 85.2905



80.8688, 80.2285, 77.8398

# Triad

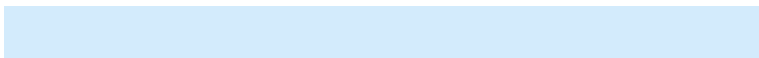
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.0385, 80.2285, 85.2905



72.8556, 80.2285, 75.0289



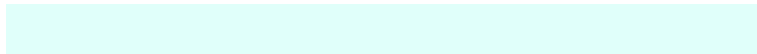
74.0834, 80.2285, 103.2720

# Complementary

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



82.0385, 80.2285, 85.2905



83.7584, 94.2707, 104.2278

# Split Complementary

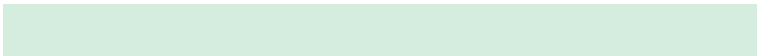
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.8197, 80.2285, 97.6161



82.0385, 80.2285, 85.2905



71.1237, 80.2285, 81.2257

# Square

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



82.0385, 80.2285, 85.2905



75.5304, 80.2285, 72.1693



70.7495, 80.2285, 89.4530



76.9838, 80.2285, 104.5346

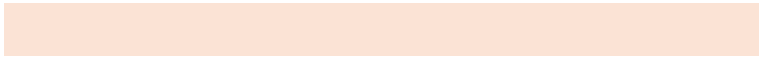


# Rectangle

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



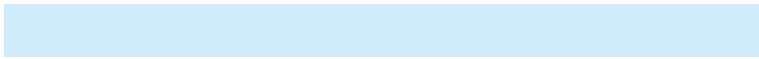
82.0385, 80.2285, 85.2905



79.3670, 80.2285, 74.3421



70.7495, 80.2285, 89.4530



73.2250, 80.2285, 101.8046

# Sweetspot

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



82.0404, 80.2319, 85.2922



90.5347, 93.1250, 100.7497



84.0723, 80.8280, 105.7780



19.2019, 19.6646, 21.2455



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

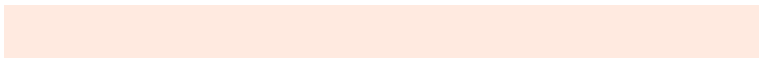
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.0404, 80.2319, 85.2922



79.2963, 76.0800, 80.2574



84.2144, 85.6801, 82.6248



18.1287, 18.0348, 19.2951



21.7938, 11.2068, 2.2987



2.1544, 1.1041, 0.3946



# Inverse Universe

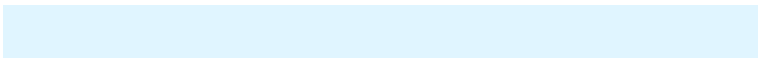
The Inverse Universe completely reimagines the original color for something new.



82.0404, 80.2319, 85.2922



79.2963, 76.0800, 80.2574



81.3447, 88.1728, 107.3395



18.1287, 18.0348, 19.2951



21.7938, 11.2068, 2.2987

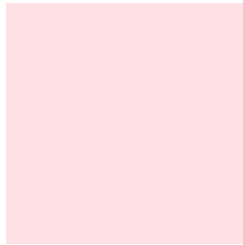


2.1544, 1.1041, 0.3946



# Previews

## White Background



This preview shows how the XYZ color 82.0385, 80.2285, 85.2905 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

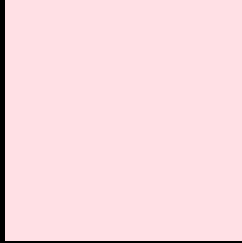
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.0385, 80.2285, 85.2905 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

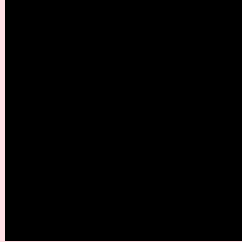
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 82.0385, 80.2285, 85.2905

## Background



This preview shows how black text looks on a background with the XYZ color 82.0385, 80.2285, 85.2905.



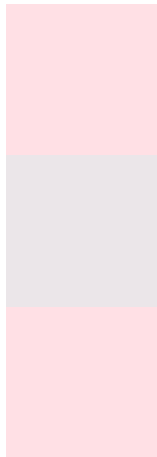
This preview shows how white text looks on a background with the XYZ color 82.0385, 80.2285,

85.2905.

# 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

82.0385, 80.2285, 85.2905

### Protanopia

77.2657, 80.1390, 88.4868

### Deuteranopia

82.0385, 80.2285, 85.2905



## Tritanopia

83.2077, 80.2673, 92.7690

# Trichromacy



## Original Color

82.0385, 80.2285, 85.2905

## Protanomaly

78.9268, 80.1902, 87.6623

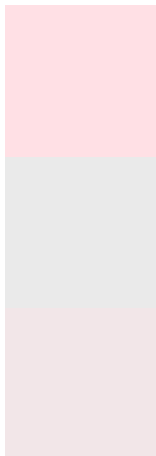
## Deuteranomaly

82.0385, 80.2285, 85.2905

## Tritanomaly

82.6231, 80.0335, 89.6906

# Monochromacy



## Original Color

82.0385, 80.2285, 85.2905

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

79.4803, 81.2971, 87.8468

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.0385, 80.2285, 85.2905 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, 224, 229) looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 229)  
}
```

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, 224, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 82.0385, 80.2285, 85.2905 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, 224, 229) }
```



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

```
.border{ border-color:rgb(255, 224, 229) }
```

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

Here you see how a box with a 4 pixel rgb(255, 224, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
229) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.0385, 80.2285, 85.2905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 224, 229) }
```

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

```
.background{ background-color: rgb(255,  
224, 229) }
```

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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