

# Converting Colors

XYZ(85.8962, 84.1751, 98.1952)

Have a look what the booklet for XYZ(85.8962, 84.1751, 98.1952) contains.

- XYZ(86.0182, 84.4462, 98.1523) ..... 3**
- Conversions*** ..... 4
- Details*** ..... 6
- Harmonies*** ..... 12
- Previews*** ..... 24
- Color Blindness Simulation*** ..... 28
- CSS Examples*** ..... 31

# Color

**XYZ(86.0182, 84.4462,  
98.1523)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE6F5
RGB	255, 230, 245
RGB Percent	100%, 90%, 96%
CMY	0.0000, 0.0980, 0.0392
CMYK	0.00, 0.10, 0.04, 0.00
HSL	324°, 100%, 95%
HSV	324°, 10%, 100%
XYZ	86.0182, 84.4462, 98.1523
YIQ	239.1850, 10.0850, 9.9650

# Conversions

## Conversions Part 2

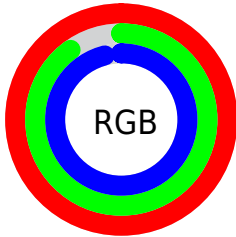
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 230, 245
Decimal	16770805
CIE Lab	93.64, 11.04, -4.16
CIE LCh	94, 11.793, 339.344
Yxy	84.4462, 0.3202, 0.3144
Android (android.graphics.Color)	4294960885 (0xFFFE6F5)
YUV	239.1850, 2.8668, 13.8698
Hunter-Lab	91.8946, 6.2698, 0.9988

# Details

The XYZ color **86.0182, 84.4462, 98.1523** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.1239, 94.6355, 96.2742**, and the grayscale version is **82.1628, 86.4416, 94.1349**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.6101, 45.9520, 54.5044** is the 20% darker color. If you saturate the color by 10%, you get **77.9199, 70.6733, 87.9808**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

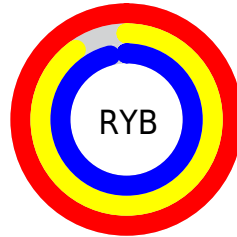
# Distribution



Red (100%)

Green (90%)

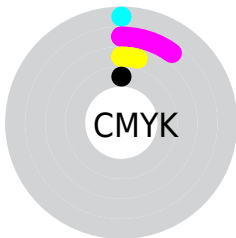
Blue (96%)



Red (100%)

Yellow (90%)

Blue (96%)

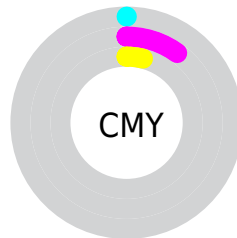


Cyan (0%)

Magenta (10%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (10%)


Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.0182, 84.4462, 98.1523 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 86.0182, 84.4462, 98.1523 by changing the saturation by 10% instead.




 86.0182, 84.4462,  
98.1523

 86.0182, 84.4462,  
98.1523

503.4243,  
509.7938, 575.4484

 65.0083, 63.3839,  
74.1501


140.7016,  
139.5992, 160.6454

 47.7326, 46.1518,  
54.4194


175.1058,  
174.4586, 199.9733

 33.8255, 32.3657,  
38.5416


214.7056,  
214.6859, 245.2469

 22.9218, 21.6409,  
26.0982

259.8662,  
260.6654, 296.8846

 14.6562, 13.5933,  
16.6707

310.9530,  
312.7816, 355.3051

 8.6632, 7.8384,  
9.8405

368.3314,

 4.5775, 3.9917,

371.4188, 420.9269

5.1891

432.3667,  
436.9614, 494.1684

■ 2.0337, 1.6689,  
2.2980

■ 0.6528, 0.4034,  
0.7301

■ 86.0182, 84.4462,  
98.1523

■ 86.0182, 84.4462,  
98.1523

■ 77.9199, 70.6733,  
87.9808

95.0500, 100.0000,  
108.9000

■ 70.8974, 58.9170,  
78.5837

■ 64.9029, 49.0839,  
69.9392

■ 59.8828, 41.0691,  
62.0223

■ 55.7785, 34.7574,  
54.8063

■ 52.5247, 30.0207,  
48.2617

■ 50.0466, 26.7123,  
42.3562

■ 48.2558, 24.6576,  
37.0520

■ 47.0113, 23.5773,  
32.2940

# Harmonies

## Analogous

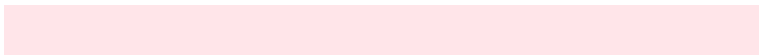
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.1335, 84.4462, 105.9078



86.0182, 84.4462, 98.1523



86.3396, 84.4462, 89.1817

# Triad

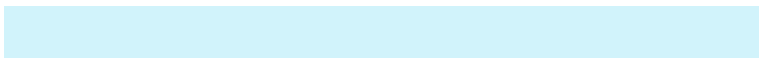
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.0182, 84.4462, 98.1523



79.2919, 84.4462, 75.9916



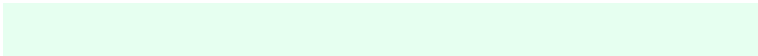
75.7059, 84.4462, 103.2943

# Complementary

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



86.0182, 84.4462, 98.1523



84.1239, 94.6355, 96.2742

# 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.



74.4795, 84.4462, 94.7700



86.0182, 84.4462, 98.1523



76.5142, 84.4462, 79.2714

# Square

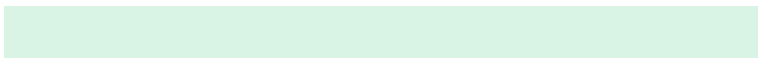
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



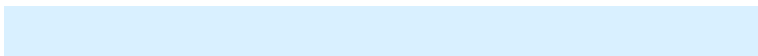
86.0182, 84.4462, 98.1523



82.4018, 84.4462, 76.7673



74.7715, 84.4462, 86.0100



78.1626, 84.4462, 109.0077

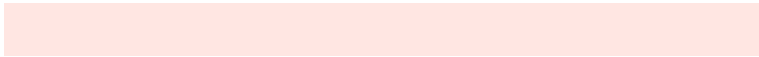


# Rectangle

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



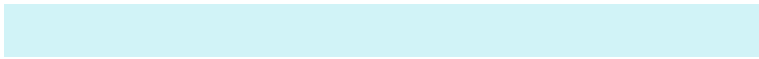
86.0182, 84.4462, 98.1523



85.6159, 84.4462, 83.7698



74.7715, 84.4462, 86.0100



75.1391, 84.4462, 100.6409

# Sweetspot

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



86.0202, 84.4496, 98.1541



92.1690, 95.0203, 105.5283



82.2849, 82.3429, 106.1646



19.5669, 20.0605, 22.3972



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.



86.0202, 84.4496, 98.1541



84.1446, 81.2431, 95.8499



84.1759, 83.7119, 88.4423



18.4670, 18.1701, 21.0763



24.6286, 12.3407, 17.2263



2.4520, 1.2232, 1.9616



# Inverse Universe

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



86.0202, 84.4496, 98.1541



84.1446, 81.2431, 95.8499



86.0452, 95.4040, 106.3917



18.4670, 18.1701, 21.0763



24.6286, 12.3407, 17.2263

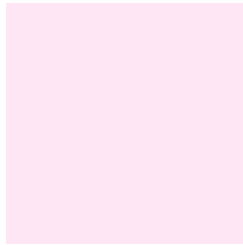


2.4520, 1.2232, 1.9616



# Previews

## White Background



This preview shows how the XYZ color 86.0182, 84.4462, 98.1523 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

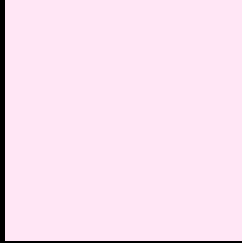
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.0182, 84.4462, 98.1523 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

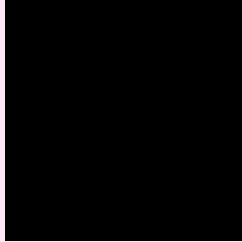
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 86.0182, 84.4462, 98.1523**

## **Background**



This preview shows how black text looks on a background with the XYZ color 86.0182, 84.4462, 98.1523.



This preview shows how white text looks on a background with the XYZ color 86.0182, 84.4462,

98.1523.

# 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

86.0182, 84.4462, 98.1523

### Protanopia

81.9115, 84.3711, 100.7750

### Deuteranopia

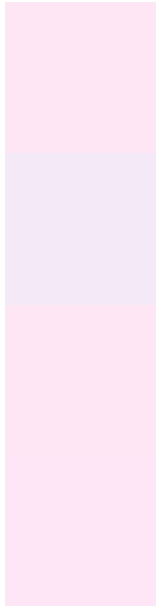
86.0182, 84.4462, 98.1523



## Tritanopia

86.3253, 84.5690, 99.7693

# Trichromacy



## Original Color

86.0182, 84.4462, 98.1523

## Protanomaly

83.2356, 84.2263, 99.8660

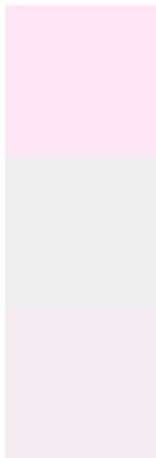
## Deuteranomaly

86.0182, 84.4462, 98.1523

## Tritanomaly

86.1714, 84.5074, 98.9586

# Monochromacy



## Original Color

86.0182, 84.4462, 98.1523

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

83.5288, 85.7543, 95.3689

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.0182, 84.4462, 98.1523 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, 230, 245) looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 245)  
}
```

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, 230, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 86.0182, 84.4462, 98.1523 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, 230, 245) }
```



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

```
.border{ border-color:rgb(255, 230, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 230, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 245);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 86.0182, 84.4462, 98.1523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 245) }
```

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

```
.background{ background-color: rgb(255,  
230, 245) }
```

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