

# Converting Colors

XYZ(86.6637, 86.0607,  
101.2816)

Have a look what the booklet for  
XYZ(86.6637, 86.0607, 101.2816)  
contains.

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# Color

**XYZ(86.7458, 86.0000,  
101.6502)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDE9F9
RGB	253, 233, 249
RGB Percent	99%, 91%, 98%
CMY	0.0078, 0.0863, 0.0235
CMYK	0.00, 0.08, 0.02, 0.01
HSL	312°, 83%, 95%
HSV	312°, 8%, 99%
XYZ	86.7458, 86.0000, 101.6502
YIQ	240.8040, 6.7840, 9.2160

# Conversions

## Conversions Part 2

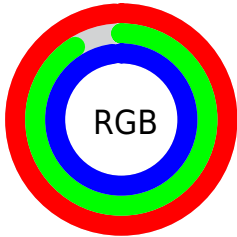
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	253, 233, 249
Decimal	16640505
CIE Lab	94.31, 9.51, -5.28
CIE LCh	94, 10.879, 330.989
Yxy	86.0000, 0.3161, 0.3134
Android (android.graphics.Color)	4294830585 (0xFFFDE9F9)
YUV	240.8040, 4.0406, 10.6959
Hunter-Lab	92.7362, 4.6813, -0.0738

# Details

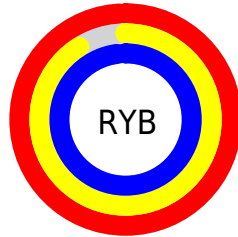
The XYZ color **86.7458, 86.0000, 101.6502** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.0189, 93.6909, 93.7811**, and the grayscale version is **83.4226, 87.7671, 95.5783**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.1127, 47.0303, 56.9940** is the 20% darker color. If you saturate the color by 10%, you get **79.3129, 72.3793, 95.3309**, and if you desaturate by 10%, it is **94.1680, 99.5627, 108.0729**.

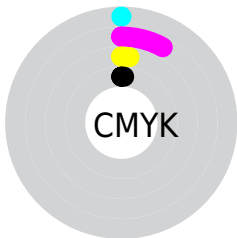
# Distribution



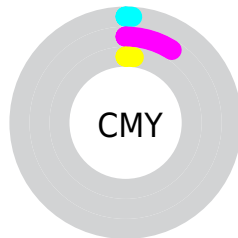
- Red (99%)
- Green (91%)
- Blue (98%)



- Red (99%)
- Yellow (91%)
- Blue (98%)



- Cyan (0%)
- Magenta (8%)
- Yellow (2%)
- Black (1%)




- Cyan (1%)
- Magenta (9%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.7458, 86.0000, 101.6502 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 86.7458, 86.0000, 101.6502 by changing the saturation by 10% instead.




 86.7458, 86.0000,  
101.6502

 86.7458, 86.0000,  
101.6502


505.7843,  
514.9312, 586.7623

 65.6122, 64.6680,  
77.0549


141.7113,  
141.7695, 165.4947

 48.2242, 47.1919,  
56.7861


176.2738,  
176.9757, 205.5809

 34.2165, 33.1874,  
40.4253


216.0434,  
217.5755, 251.6679

 23.2236, 22.2700,  
27.5540

261.3854,  
263.9532, 304.1741

 14.8803, 14.0555,  
17.7536

312.6651,  
316.4933, 363.5181

 8.8212, 8.1592,  
10.6056

370.2479,

 4.6809, 4.1970,

375.5800, 430.1185

5.6915

434.4992,  
441.5979, 504.3937

■ 2.0941, 1.7844,  
2.5927

■ 0.6860, 0.4774,  
0.8887

■ 86.7458, 86.0000,  
101.6502

■ 86.7458, 86.0000,  
101.6502

■ 79.3129, 72.3793,  
95.3309

94.1680, 99.5627,  
108.0729

■ 72.8819, 60.7300,  
89.4487

94.3186, 99.6229,  
108.8658

■ 67.4086, 50.9626,  
83.9890

■ 62.8424, 42.9763,  
78.9341

■ 59.1282, 36.6607,  
74.2648

■ 56.2044, 31.8936,  
69.9598

■ 54.0013, 28.5353,  
65.9949

■ 52.4367, 26.4217,  
62.3418

■ 51.3995, 25.3314,  
58.9627

# Harmonies

## Analogous

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



84.6633, 86.0000, 108.1005



86.7458, 86.0000, 101.6502



87.4794, 86.0000, 93.3623

# Triad

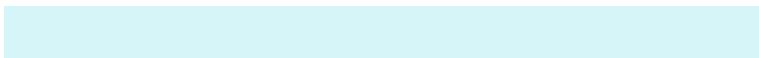
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.7458, 86.0000, 101.6502



81.6436, 86.0000, 78.4749



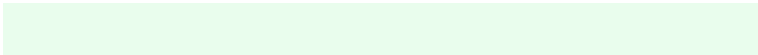
77.0244, 86.0000, 102.1585

# Complementary

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



86.7458, 86.0000, 101.6502



84.0189, 93.6909, 93.7811

# 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.



76.2581, 86.0000, 93.9170



86.7458, 86.0000, 101.6502



78.8856, 86.0000, 80.5291

# Square

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



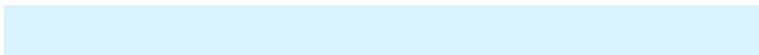
86.7458, 86.0000, 101.6502



84.4917, 86.0000, 80.2786



76.9314, 86.0000, 86.0609



79.0495, 86.0000, 108.4060

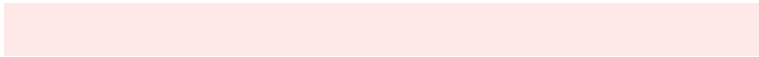


# Rectangle

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



86.7458, 86.0000, 101.6502



87.0914, 86.0000, 88.0011



76.9314, 86.0000, 86.0609



76.6133, 86.0000, 99.5135

# Sweetspot

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



86.7483, 86.0037, 101.6521



93.2807, 96.7235, 107.5020



81.7972, 83.3785, 104.7123



19.9844, 20.7371, 23.0246



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.



86.7483, 86.0037, 101.6521



87.4302, 85.9292, 102.7570



85.2298, 85.3963, 93.6559



18.6278, 18.2344, 21.9229



27.2979, 13.4084, 31.2827



2.6956, 1.3206, 3.2445



# Inverse Universe

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



86.7483, 86.0037, 101.6521



87.4302, 85.9292, 102.7570



85.5209, 94.2918, 101.6907



18.6278, 18.2344, 21.9229



27.2979, 13.4084, 31.2827

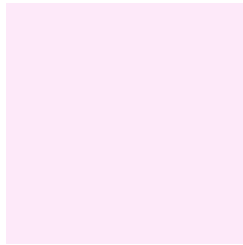


2.6956, 1.3206, 3.2445



# Previews

## White Background



This preview shows how the XYZ color 86.7458, 86.0000, 101.6502 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

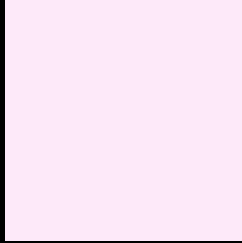
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.7458, 86.0000, 101.6502 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

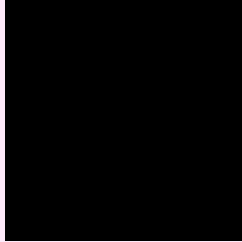
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 86.7458, 86.0000, 101.6502

## Background



This preview shows how black text looks on a background with the XYZ color 86.7458, 86.0000, 101.6502.



This preview shows how white text looks on a background with the XYZ color 86.7458, 86.0000,

101.6502.

# 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

86.7458, 86.0000, 101.6502

### Protanopia

83.4515, 85.9474, 104.2866

### Deuteranopia

87.0399, 85.7505, 100.7709



## Tritanopia

87.0595, 86.1255, 103.3021

# Trichromacy



## Original Color

86.7458, 86.0000, 101.6502

## Protanomaly

84.7163, 86.1890, 103.4379

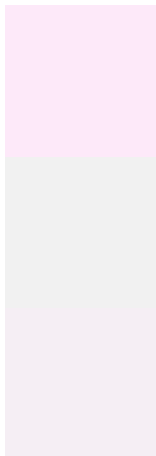
## Deuteranomaly

86.6729, 85.5614, 100.7538

## Tritanomaly

86.9022, 86.0626, 102.4740

# Monochromacy



## Original Color

86.7458, 86.0000, 101.6502

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

84.5599, 87.0932, 97.9418

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.7458, 86.0000, 101.6502 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(253, 233, 249)` looks like.

```
.text, #text, p{  
    color:rgb(253, 233, 249)  
}
```

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(253, 233, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 233, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 86.7458, 86.0000, 101.6502 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(253, 233, 249) }
```



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

```
.border{ border-color:rgb(253, 233, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 233, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 233, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 233, 249);  
box-shadow:4px 4px 4px 4px rgb(253, 233,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 86.7458, 86.0000, 101.6502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 233, 249) }
```

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

```
.background{ background-color: rgb(253,  
233, 249) }
```

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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