

# Converting Colors

XYZ(99.4382, 91.7757, 92.1083)

Have a look what the booklet for  
XYZ(99.4382, 91.7757, 92.1083)  
contains.

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# Color

**XYZ(84.9562, 84.4680,  
91.1832)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE7EC
RGB	255, 231, 236
RGB Percent	100%, 91%, 93%
CMY	0.0000, 0.0941, 0.0745
CMYK	0.00, 0.09, 0.07, 0.00
HSL	348°, 100%, 95%
HSV	348°, 9%, 100%
XYZ	84.9562, 84.4680, 91.1832
YIQ	238.7460, 12.6990, 6.6430

# Conversions

## Conversions Part 2

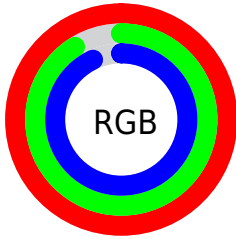
Format	Color
R <sub>Y</sub> B	255, 231, 236
Decimal	16771052
CIE Lab	93.65, 9.00, 0.54
CIE LCh	94, 9.012, 3.445
Yxy	84.4680, 0.3260, 0.3241
Android (android.graphics.Color)	4294961132 (0xFFFFE7EC)
YUV	238.7460, -1.3538, 14.2548
Hunter-Lab	91.9065, 4.1649, 5.5111

# Details

The XYZ color **84.9562, 84.4680, 91.1832** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.9730, 95.4124, 104.3314**, and the grayscale version is **81.8517, 86.1143, 93.7785**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.8569, 45.9610, 49.5818** is the 20% darker color. If you saturate the color by 10%, you get **75.5628, 70.1133, 74.3881**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

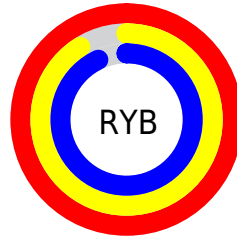
# Distribution



Red (100%)

Green (91%)

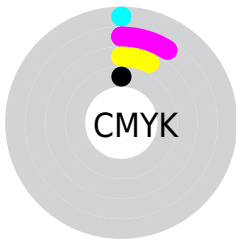
Blue (93%)



Red (100%)

Yellow (91%)

Blue (93%)

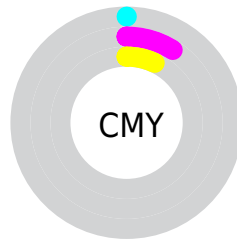


Cyan (0%)

Magenta (9%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.9562, 84.4680, 91.1832 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 84.9562, 84.4680, 91.1832 by changing the saturation by 10% instead.




 84.9562, 84.4680,  
91.1832

 84.9562, 84.4680,  
91.1832

499.9690,  
509.8660, 552.5414

 64.1276, 63.4019,  
68.3832


139.2263,  
139.6297, 150.9307

 47.0161, 46.1664,  
49.7409


173.3985,  
174.4940, 188.7152

 33.2564, 32.3772,  
34.8378


212.7493,  
214.7265, 232.3316

 22.4831, 21.6497,  
23.2554

257.6440,  
260.7117, 282.1985

 14.3309, 13.5998,  
14.5752

308.4479,  
312.8338, 338.7344

 8.4344, 7.8428,  
8.3785

365.5265,

 4.4283, 3.9945,

371.4773, 402.3578

4.2468

429.2451,  
437.0266, 473.4873

■ 1.9472, 1.6705,  
1.7617

■ 0.6040, 0.4045,  
0.4025

■ 84.9562, 84.4680,  
91.1832

■ 84.9562, 84.4680,  
91.1832

■ 75.5628, 70.1133,  
74.3881

95.0500, 100.0000,  
108.9000

■ 67.4831, 57.8732,  
59.6118

■ 60.6594, 47.6507,  
46.7790

■ 55.0275, 39.3367,  
35.8077

■ 50.5172, 32.8121,  
26.6098

■ 47.0511, 27.9441,  
19.0901

■ 44.5411, 24.5816,  
13.1439

■ 42.8841, 22.5450,  
8.6540

■ 41.9289, 21.5617,  
5.4769

# Harmonies

## Analogous

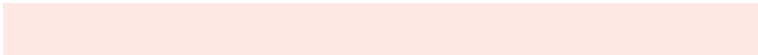
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4627, 84.4680, 97.9773



84.9562, 84.4680, 91.1832



84.1776, 84.4680, 84.9113

# Triad

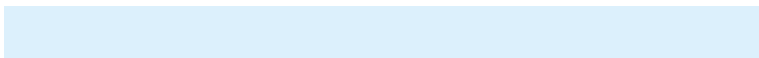
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.9562, 84.4680, 91.1832



77.7798, 84.4680, 81.4276



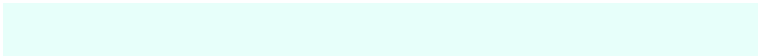
78.2487, 84.4680, 104.2449

# Complementary

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



84.9562, 84.4680, 91.1832



85.9730, 95.4124, 104.3314

# Split Complementary

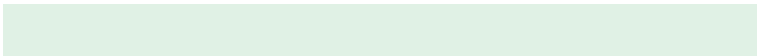
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.5130, 84.4680, 99.4121



84.9562, 84.4680, 91.1832



76.2460, 84.4680, 86.2159

# Square

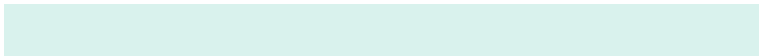
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.9562, 84.4680, 91.1832



80.0086, 84.4680, 79.4575



75.7869, 84.4680, 92.7639



80.5606, 84.4680, 105.7344

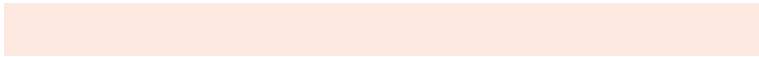


# Rectangle

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



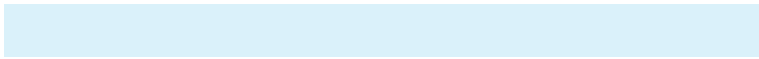
84.9562, 84.4680, 91.1832



83.0507, 84.4680, 81.8056



75.7869, 84.4680, 92.7639



77.5800, 84.4680, 102.9461

# Sweetspot

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



84.9582, 84.4715, 91.1850



91.6978, 94.8318, 103.0471



85.9808, 84.6626, 106.4176



19.4399, 20.0097, 21.7285



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

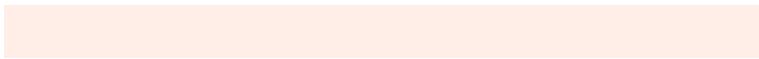
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.9582, 84.4715, 91.1850



83.3734, 82.0420, 88.3750



86.1823, 88.0651, 88.0619



18.1640, 18.0489, 19.4810



21.9287, 11.2608, 3.0091



2.1725, 1.1114, 0.4901



# Inverse Universe

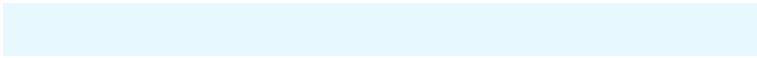
The Inverse Universe completely reimagines the original color for something new.



84.9582, 84.4715, 91.1850



83.3734, 82.0420, 88.3750



84.6365, 91.4689, 107.8022



18.1640, 18.0489, 19.4810



21.9287, 11.2608, 3.0091

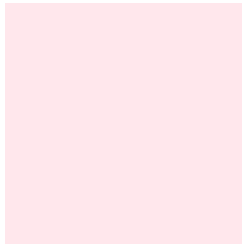


2.1725, 1.1114, 0.4901



# Previews

## White Background



This preview shows how the XYZ color 84.9562, 84.4680, 91.1832 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

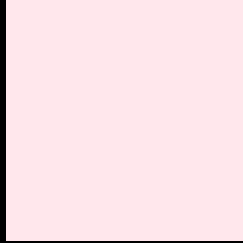
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.9562, 84.4680, 91.1832 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

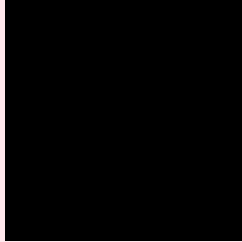
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 84.9562, 84.4680, 91.1832

## Background



This preview shows how black text looks on a background with the XYZ color 84.9562, 84.4680, 91.1832.



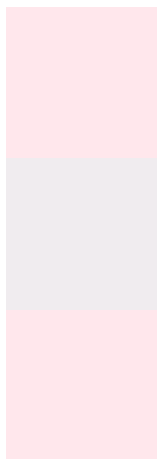
This preview shows how white text looks on a background with the XYZ color 84.9562, 84.4680,

91.1832.

# 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

84.9562, 84.4680, 91.1832

### Protanopia

81.5106, 84.7482, 93.7233

### Deuteranopia

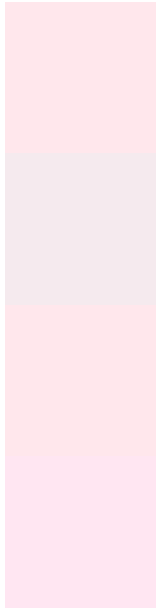
84.9562, 84.4680, 91.1832



## Tritanopia

86.1714, 84.5074, 98.9586

# Trichromacy



## Original Color

84.9562, 84.4680, 91.1832

## Protanomaly

82.5116, 84.4312, 92.8369

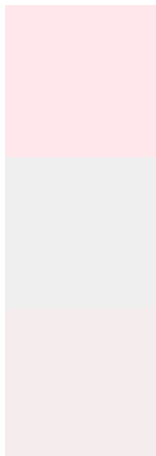
## Deuteranomaly

84.9562, 84.4680, 91.1832

## Tritanomaly

85.5638, 84.2644, 95.7594

# Monochromacy



## Original Color

84.9562, 84.4680, 91.1832

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

83.0843, 85.5764, 93.0278

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.9562, 84.4680, 91.1832 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, 231, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 236)  
}
```

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, 231, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 84.9562, 84.4680, 91.1832 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, 231, 236) }
```



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

```
.border{ border-color:rgb(255, 231, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.9562, 84.4680, 91.1832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 236) }
```

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

```
.background{ background-color: rgb(255,  
231, 236) }
```

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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