

# Converting Colors

XYZ(84.3576, 83.5664, 90.0721)

Have a look what the booklet for  
XYZ(84.3576, 83.5664, 90.0721)  
contains.

<b>XYZ(84.5322, 83.8518, 90.3269)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(84.5322, 83.8518,  
90.3269)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE6EB
RGB	255, 230, 235
RGB Percent	100%, 90%, 92%
CMY	0.0000, 0.0980, 0.0784
CMYK	0.00, 0.10, 0.08, 0.00
HSL	348°, 100%, 95%
HSV	348°, 10%, 100%
XYZ	84.5322, 83.8518, 90.3269
YIQ	238.0450, 13.2950, 6.8550

# Conversions

## Conversions Part 2

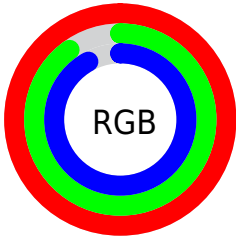
Format	Color
R <sub>Y</sub> B	255, 230, 235
Decimal	16770795
CIE Lab	93.39, 9.35, 0.67
CIE LCh	93, 9.369, 4.117
Yxy	83.8518, 0.3267, 0.3241
Android (android.graphics.Color)	4294960875 (0xFFFFE6EB)
YUV	238.0450, -1.5012, 14.8695
Hunter-Lab	91.5706, 4.5313, 5.6147

# Details

The XYZ color **84.5322, 83.8518, 90.3269** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.6511, 95.2464, 104.3163**, and the grayscale version is **81.3087, 85.5430, 93.1564**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.5614, 45.5325, 48.9824** is the 20% darker color. If you saturate the color by 10%, you get **75.1675, 69.5724, 73.4866**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

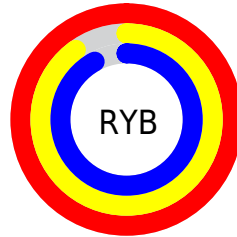
# Distribution



Red (100%)

Green (90%)

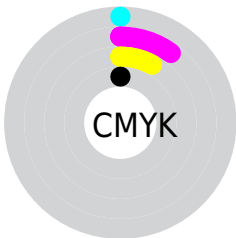
Blue (92%)



Red (100%)

Yellow (90%)

Blue (92%)

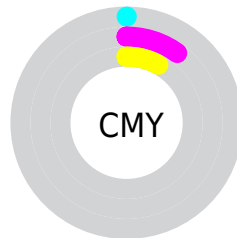


Cyan (0%)

Magenta (10%)

Yellow (8%)

Black (0%)



Cyan (0%)

Magenta (10%)


Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.5322, 83.8518, 90.3269 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 84.5322, 83.8518, 90.3269 by changing the saturation by 10% instead.




 84.5322, 83.8518,  
90.3269

 84.5322, 83.8518,  
90.3269


498.5859,  
507.8210, 549.6912

 63.7761, 62.8931,  
67.6766


138.6368,  
138.7678, 149.7319

 46.7304, 45.7547,  
49.1696


172.7160,  
173.4940, 187.3236

 33.0296, 32.0523,  
34.3875


211.9670,  
213.5780, 230.7329

 22.3085, 21.4015,  
22.9117

256.7552,  
259.4044, 280.3782

 14.2016, 13.4178,  
14.3236

307.4457,  
311.3575, 336.6782

 8.3437, 7.7169,  
8.2048

364.4042,

 4.3693, 3.9143,

369.8217, 400.0513

4.1366

427.9957,  
435.1814, 470.9161

■ 1.9131, 1.6257,  
1.7006

■ 0.5844, 0.3749,  
0.3611

■ 84.5322, 83.8518,  
90.3269

■ 84.5322, 83.8518,  
90.3269

■ 75.1675, 69.5724,  
73.4866

95.0500, 100.0000,  
108.9000

■ 67.1208, 57.4064,  
58.6966

■ 60.3339, 47.2563,  
45.8793

■ 54.7418, 39.0127,  
34.9502

■ 50.2738, 32.5556,  
25.8188

■ 46.8514, 27.7514,  
18.3866

■ 44.3856, 24.4479,  
12.5455

■ 42.7719, 22.4640,  
8.1740

■ 41.8512, 21.5133,  
5.1217

# Harmonies

## Analogous

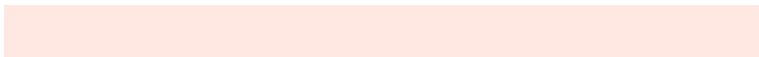
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.0502, 83.8518, 97.3702



84.5322, 83.8518, 90.3269



83.6972, 83.8518, 83.8789

# Triad

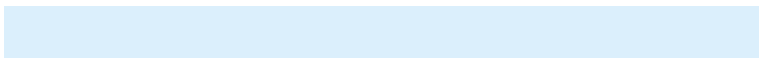
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.5322, 83.8518, 90.3269



77.0633, 83.8518, 80.4919



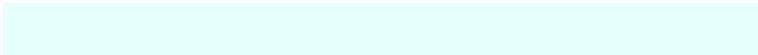
77.6425, 83.8518, 104.0981

# Complementary

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



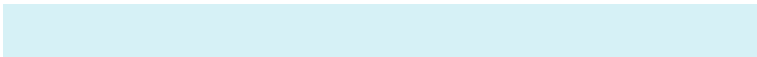
84.5322, 83.8518, 90.3269



85.6511, 95.2464, 104.3163

# 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.



75.8294, 83.8518, 99.1472



84.5322, 83.8518, 90.3269



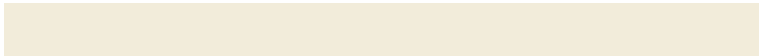
75.4999, 83.8518, 85.4882

# Square

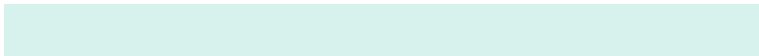
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.5322, 83.8518, 90.3269



79.3580, 83.8518, 78.3895



75.0529, 83.8518, 92.2808



80.0402, 83.8518, 105.5562

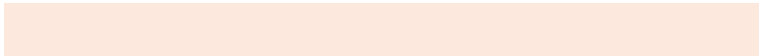


# Rectangle

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



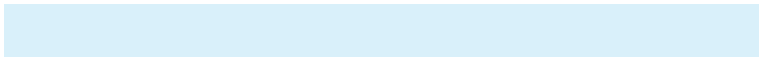
84.5322, 83.8518, 90.3269



82.5161, 83.8518, 80.7133



75.0529, 83.8518, 92.2808



76.9461, 83.8518, 102.7750

# Sweetspot

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



84.5341, 83.8553, 90.3287



91.6879, 94.8278, 102.9947



85.7733, 84.1412, 106.3279



19.4373, 20.0086, 21.7144



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

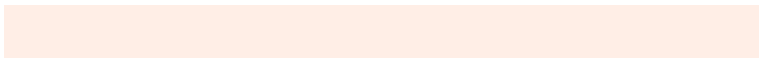
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.5341, 83.8553, 90.3287



82.3588, 80.5288, 86.4462



85.9542, 87.8343, 87.2908



18.1578, 18.0464, 19.4480



21.9023, 11.2502, 2.8699



2.1691, 1.1100, 0.4720



# Inverse Universe

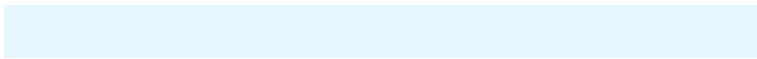
The Inverse Universe completely reimagines the original color for something new.



84.5341, 83.8553, 90.3287



82.3588, 80.5288, 86.4462



84.0995, 90.8729, 107.7154



18.1578, 18.0464, 19.4480



21.9023, 11.2502, 2.8699

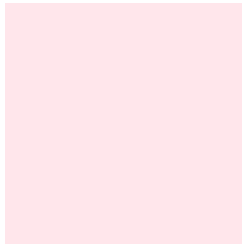


2.1691, 1.1100, 0.4720



# Previews

## White Background



This preview shows how the XYZ color 84.5322, 83.8518, 90.3269 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

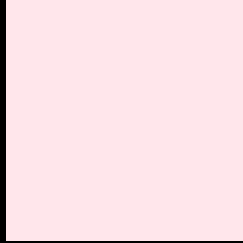
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.5322, 83.8518, 90.3269 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

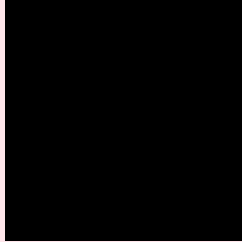
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

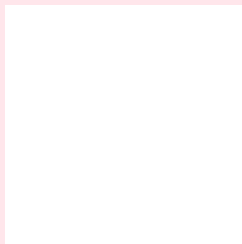
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 84.5322, 83.8518, 90.3269**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.5322, 83.8518, 90.3269.



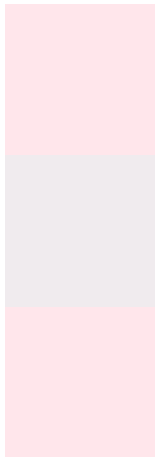
This preview shows how white text looks on a background with the XYZ color 84.5322, 83.8518,

90.3269.

# 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

84.5322, 83.8518, 90.3269

### Protanopia

81.0761, 84.1150, 92.8516

### Deuteranopia

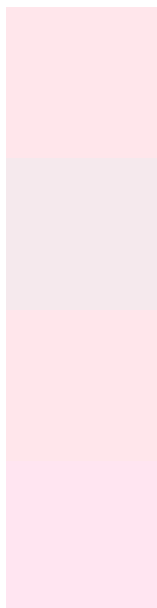
84.5322, 83.8518, 90.3269



## Tritanopia

85.7407, 83.8912, 98.0598

# Trichromacy



## Original Color

84.5322, 83.8518, 90.3269

## Protanomaly

82.0812, 83.8047, 91.9706

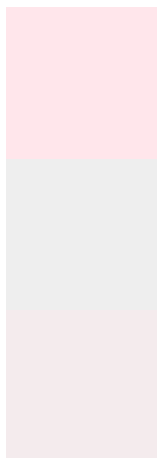
## Deuteranomaly

84.5322, 83.8518, 90.3269

## Tritanomaly

85.1365, 83.6495, 94.8779

# Monochromacy



## Original Color

84.5322, 83.8518, 90.3269

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

82.3026, 84.7642, 92.1441

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.5322, 83.8518, 90.3269 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, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 235)  
}
```

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, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 84.5322, 83.8518, 90.3269 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, 235) }
```



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

```
.border{ border-color:rgb(255, 230, 235) }
```

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, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.5322, 83.8518, 90.3269 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, 235) }
```

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

```
.background{ background-color: rgb(255,  
230, 235) }
```

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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