

# Converting Colors

XYZ(111.6476, 100.0000,  
92.4232)

Have a look what the booklet for  
XYZ(111.6476, 100.0000, 92.4232)  
contains.

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# Color

**XYZ(86.0887, 86.7328,  
91.5606)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEDEC
RGB	255, 235, 236
RGB Percent	100%, 92%, 93%
CMY	0.0000, 0.0784, 0.0745
CMYK	0.00, 0.08, 0.07, 0.00
HSL	357°, 100%, 96%
HSV	357°, 8%, 100%
XYZ	86.0887, 86.7328, 91.5606
YIQ	241.0940, 11.5990, 4.5510

# Conversions

## Conversions Part 2

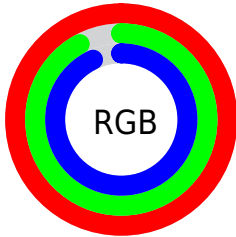
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 235, 236
Decimal	16772076
CIE Lab	94.62, 6.94, 1.96
CIE LCh	95, 7.210, 15.747
Yxy	86.7328, 0.3256, 0.3281
Android (android.graphics.Color)	4294962156 (0xFFFFEBEC)
YUV	241.0940, -2.5113, 12.1956
Hunter-Lab	93.1304, 2.0250, 6.9007

# Details

The XYZ color **86.0887, 86.7328, 91.5606** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.9130, 96.3392, 107.7314**, and the grayscale version is **83.6976, 88.0564, 95.8934**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.6470, 47.5413, 49.8451** is the 20% darker color. If you saturate the color by 10%, you get **76.0197, 71.8516, 71.9983**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

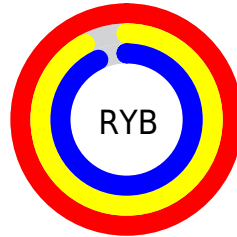
# Distribution



Red (100%)

Green (92%)

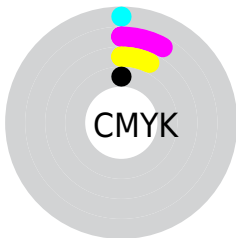
Blue (93%)



Red (100%)

Yellow (92%)

Blue (93%)

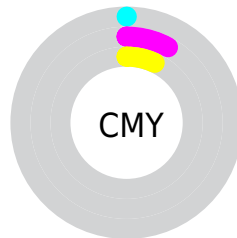


Cyan (0%)

Magenta (8%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (8%)


Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.0887, 86.7328, 91.5606 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 86.0887, 86.7328, 91.5606 by changing the saturation by 10% instead.




 86.0887, 86.7328,  
91.5606

 86.0887, 86.7328,  
91.5606


503.6532,  
517.3444, 553.7950

 65.0668, 65.2741,  
68.6947


140.7995,  
142.7916, 151.4587

 47.7802, 47.6834,  
49.9929


175.2191,  
178.1606, 189.3279

 33.8634, 33.5762,  
35.0366

214.8353,  
218.9351, 233.0354

 22.9510, 22.5682,  
23.4073

260.0135,  
265.4995, 282.9997

 14.6779, 14.2750,  
14.6864

311.1190,  
318.2383, 339.6392

 8.6785, 8.3122,  
8.4554

368.5173,

 4.5875, 4.2954,

377.5357, 403.3726

4.2958

432.5735,  
443.7763, 474.6183

■ 2.0396, 1.8401,  
1.7890

■ 0.6560, 0.5120,  
0.4207

■ 86.0887, 86.7328,  
91.5606

■ 86.0887, 86.7328,  
91.5606

■ 76.0197, 71.8516,  
71.9983

95.0500, 100.0000,  
108.9000

■ 67.4094, 59.1546,  
55.1831

■ 60.1921, 48.5422,  
40.9937

■ 54.2945, 39.9031,  
29.2975

■ 49.6365, 33.1156,  
19.9504

■ 46.1297, 28.0443,  
12.7936

■ 43.6737, 24.5356,  
7.6487

■ 42.1509, 22.4086,  
4.3092

■ 41.4084, 21.4230,  
2.5218

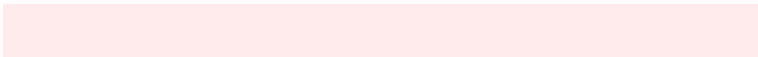
# Harmonies

## Analogous

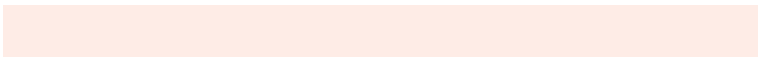
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1147, 86.7328, 97.0987



86.0887, 86.7328, 91.5606



85.0741, 86.7328, 86.9722

# Triad

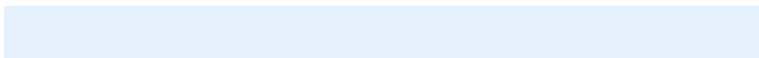
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.0887, 86.7328, 91.5606



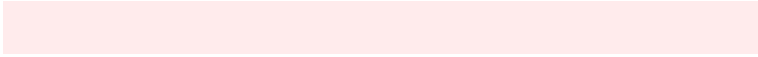
79.7874, 86.7328, 87.1592



81.5196, 86.7328, 105.2021

# Complementary

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



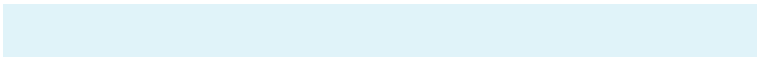
86.0887, 86.7328, 91.5606



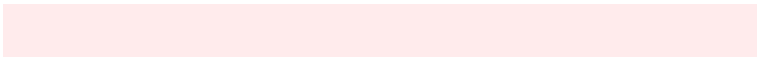
87.9130, 96.3392, 107.7314

# Split Complementary

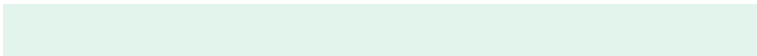
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.8548, 86.7328, 102.3177



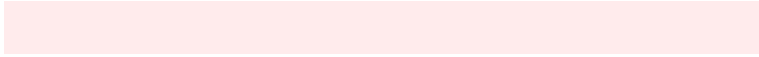
86.0887, 86.7328, 91.5606



78.8654, 86.7328, 91.8249

# Square

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



86.0887, 86.7328, 91.5606



81.4263, 86.7328, 84.5001



78.8899, 86.7328, 97.3736



83.4559, 86.7328, 105.1245



# Rectangle

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



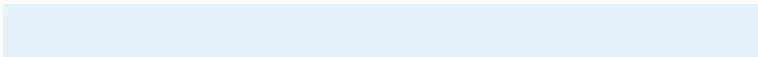
86.0887, 86.7328, 91.5606



83.9826, 86.7328, 85.0056



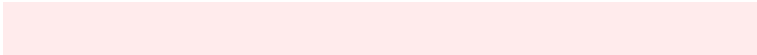
78.8899, 86.7328, 97.3736



80.9104, 86.7328, 104.5420

# Sweetspot

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



86.0906, 86.7363, 91.5624



92.6740, 96.4809, 104.3073



88.6332, 87.7110, 106.8662



19.8609, 20.6877, 22.3742



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

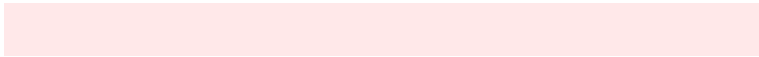


# Same Dimension

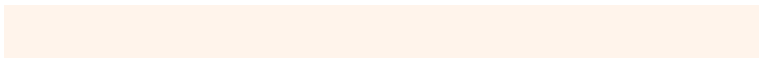
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.0906, 86.7363, 91.5624



84.8462, 84.8956, 89.1499



88.5879, 91.9619, 91.6832



18.0460, 18.0017, 18.8596



21.6010, 11.1297, 1.2832



2.1155, 1.0886, 0.1898

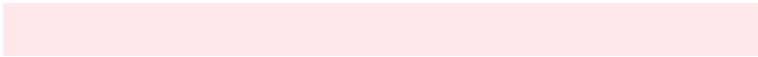


# Inverse Universe

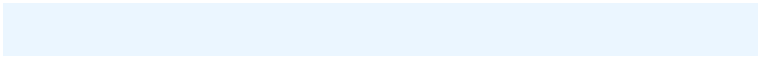
The Inverse Universe completely reimagines the original color for something new.



86.0906, 86.7363, 91.5624



84.8462, 84.8956, 89.1499



85.2695, 90.7964, 107.6390



18.0460, 18.0017, 18.8596



21.6010, 11.1297, 1.2832

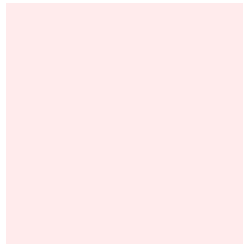


2.1155, 1.0886, 0.1898



# Previews

## White Background



This preview shows how the XYZ color 86.0887, 86.7328, 91.5606 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

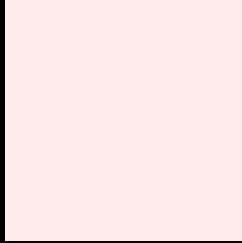
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.0887, 86.7328, 91.5606 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

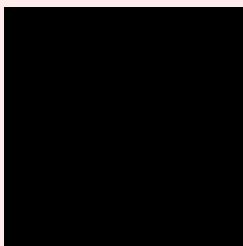
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

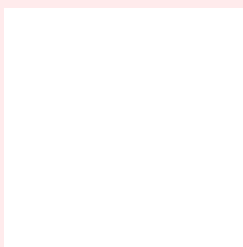
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 86.0887, 86.7328, 91.5606**

## **Background**



This preview shows how black text looks on a background with the XYZ color 86.0887, 86.7328, 91.5606.



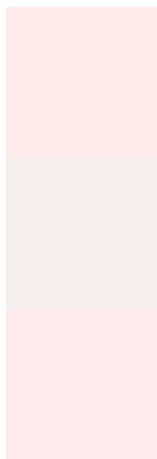
This preview shows how white text looks on a background with the XYZ color 86.0887, 86.7328,

91.5606.

# 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

86.0887, 86.7328, 91.5606

### Protanopia

83.3154, 86.5552, 93.2046

### Deuteranopia

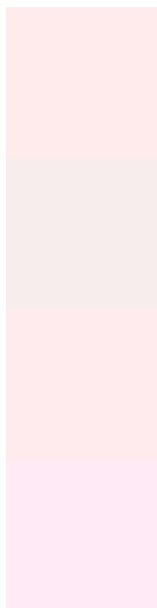
86.3809, 86.8497, 93.0998



## Tritanopia

87.9181, 87.0078, 102.6029

# Trichromacy



## Original Color

86.0887, 86.7328, 91.5606

## Protanomaly

84.2816, 86.6393, 92.4017

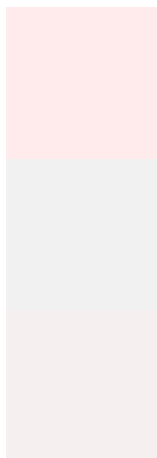
## Deuteranomaly

86.2344, 86.7911, 92.3281

## Tritanomaly

87.1442, 86.6982, 98.5276

# Monochromacy



## Original Color

86.0887, 86.7328, 91.5606

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

84.4525, 87.5578, 94.1106

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.0887, 86.7328, 91.5606 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, 235, 236) looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 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, 235, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 86.0887, 86.7328, 91.5606 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, 235, 236) }
```



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

```
.border{ border-color:rgb(255, 235, 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, 235, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 86.0887, 86.7328, 91.5606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 236) }
```

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

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