

Converting Colors

XYZ(87.0004, 84.8971, 90.6841)

Have a look what the booklet for
XYZ(87.0004, 84.8971, 90.6841)
contains.

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Color

**XYZ(84.2547, 83.2968,
90.2344)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE5EB
RGB	255, 229, 235
RGB Percent	100%, 90%, 92%
CMY	0.0000, 0.1019, 0.0784
CMYK	0.00, 0.10, 0.08, 0.00
HSL	346°, 100%, 95%
HSV	346°, 10%, 100%
XYZ	84.2547, 83.2968, 90.2344
YIQ	237.4580, 13.5700, 7.3780

Conversions

Conversions Part 2

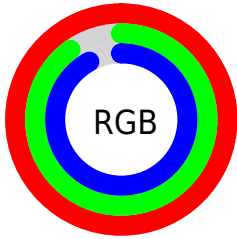
Format	Color
R _Y B	255, 229, 235
Decimal	16770539
CIE Lab	93.14, 9.86, 0.32
CIE LCh	93, 9.866, 1.858
Yxy	83.2968, 0.3268, 0.3231
Android (android.graphics.Color)	4294960619 (0xFFFE5EB)
YUV	237.4580, -1.2118, 15.3843
Hunter-Lab	91.2671, 5.0678, 5.2678

Details

The XYZ color **84.2547, 83.2968, 90.2344** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.1746, 95.0189, 103.4776**, and the grayscale version is **80.8527, 85.0633, 92.6339**.

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 **75.0307, 69.1373, 73.9386**, and if you desaturate by 10%, it is **94.8315, 99.6608, 108.5256**.

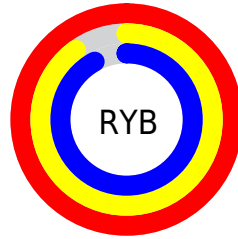
Distribution



Red (100%)

Green (90%)

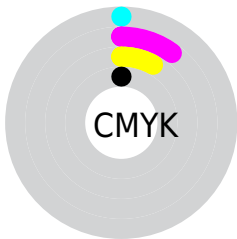
Blue (92%)



Red (100%)

Yellow (90%)

Blue (92%)

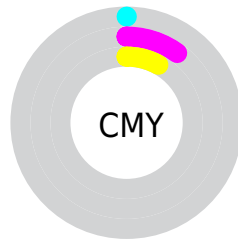


Cyan (0%)

Magenta (10%)

Yellow (8%)

Black (0%)



Cyan (0%)

Magenta (10%)


Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.2547, 83.2968, 90.2344 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 84.2547, 83.2968, 90.2344 by changing the saturation by 10% instead.

 84.2547, 83.2968,
90.2344

 84.2547, 83.2968,
90.2344


497.6795,
505.9751, 549.3828

 63.5462, 62.4350,
67.6003


138.2508,
137.9911, 149.6023

 46.5435, 45.3843,
49.1079

172.2691,
172.5924, 187.1732

 32.8813, 31.7602,
34.3389


211.4547,
212.5423, 230.5600

 22.1944, 21.1784,
22.8746

256.1729,
258.2252, 280.1813

 14.1172, 13.2545,
14.2965

306.7892,
310.0256, 336.4558

 8.2845, 7.6040,
8.1861

363.6688,

 4.3308, 3.8426,

368.3278, 399.8018

4.1248

427.1771,
433.5162, 470.6380

■ 1.8910, 1.5859,
1.6940

■ 0.5716, 0.3481,
0.3566

■ 84.2547, 83.2968,
90.2344

■ 84.2547, 83.2968,
90.2344

■ 75.0307, 69.1373,
73.9386

94.8315, 99.6608,
108.5256

■ 67.0986, 57.0780,
59.5648

95.0500, 100.0000,
108.9000

■ 60.4015, 47.0215,
47.0426

■ 54.8757, 38.8585,
36.2954

■ 50.4518, 32.4695,
27.2409

■ 47.0529, 27.7209,
19.7900

■ 44.5915, 24.4604,
13.8454

■ 42.9648, 22.5063,
9.2975

■ 42.0246, 21.5739,
6.0618

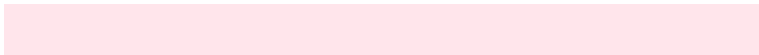
Harmonies

Analogous

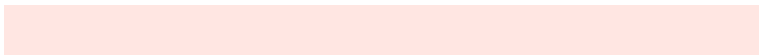
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6451, 83.2968, 97.5924



84.2547, 83.2968, 90.2344



83.4777, 83.2968, 83.3730

Triad

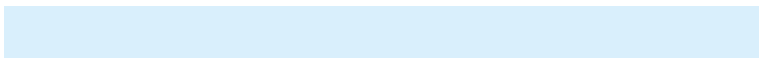
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.2547, 83.2968, 90.2344



76.5710, 83.2968, 79.1110



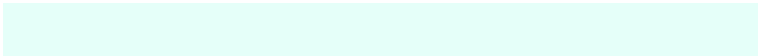
76.8449, 83.2968, 103.8656

Complementary

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



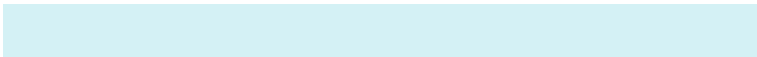
84.2547, 83.2968, 90.2344



85.1746, 95.0189, 103.4776

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.



75.0152, 83.2968, 98.4359



84.2547, 83.2968, 90.2344



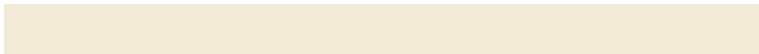
74.8596, 83.2968, 84.1325

Square

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



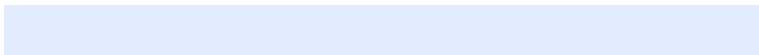
84.2547, 83.2968, 90.2344



79.0097, 83.2968, 77.1721



74.2962, 83.2968, 91.1593



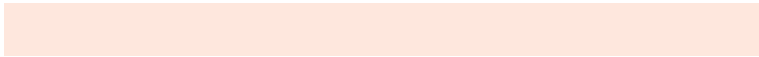
79.3327, 83.2968, 105.7143

Rectangle

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



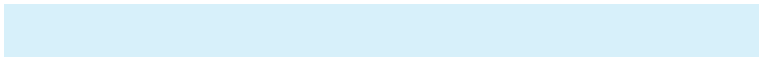
84.2547, 83.2968, 90.2344



82.2876, 83.2968, 79.9328



74.2962, 83.2968, 91.1593



76.1344, 83.2968, 102.3846

Sweetspot

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



84.2566, 83.3002, 90.2362



91.7246, 94.8425, 103.1882



85.1147, 83.3897, 106.2175



19.4472, 20.0126, 21.7664



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

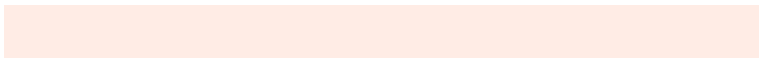
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.2566, 83.3002, 90.2362



82.4919, 80.5820, 87.1469



85.3613, 86.8726, 86.4023



18.1810, 18.0557, 19.5702



22.0055, 11.2915, 3.4135



2.1823, 1.1153, 0.5412

Inverse Universe

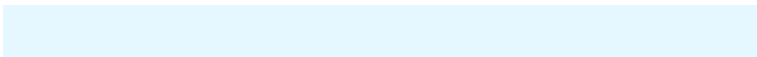
The Inverse Universe completely reimagines the original color for something new.



84.2566, 83.3002, 90.2362



82.4919, 80.5820, 87.1469



83.9534, 91.0558, 107.7585



18.1810, 18.0557, 19.5702



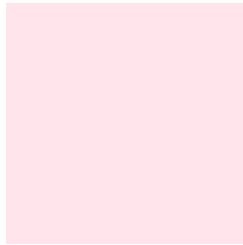
22.0055, 11.2915, 3.4135



2.1823, 1.1153, 0.5412

Previews

White Background



This preview shows how the XYZ color 84.2547, 83.2968, 90.2344 looks on a white background.

Color Contrast Check

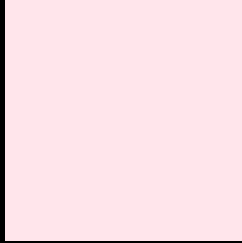
Large Text (above 18pt) WCAG AA × Fail

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 84.2547, 83.2968, 90.2344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

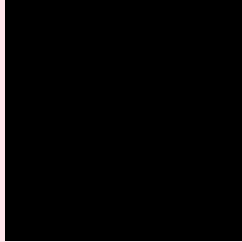
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

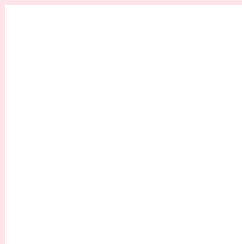
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.2547, 83.2968, 90.2344

Background



This preview shows how black text looks on a background with the XYZ color 84.2547, 83.2968, 90.2344.



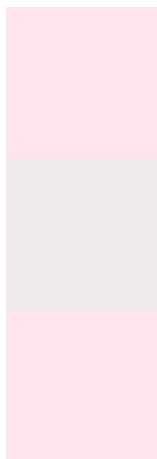
This preview shows how white text looks on a background with the XYZ color 84.2547, 83.2968,

90.2344.

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

84.2547, 83.2968, 90.2344

Protanopia

80.4520, 83.3694, 92.7405

Deuteranopia

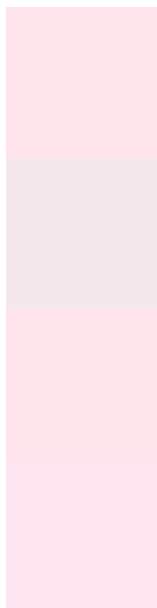
84.2547, 83.2968, 90.2344



Tritanopia

85.4648, 83.3394, 97.9678

Trichromacy



Original Color

84.2547, 83.2968, 90.2344

Protanomaly

81.7989, 83.2401, 91.8765

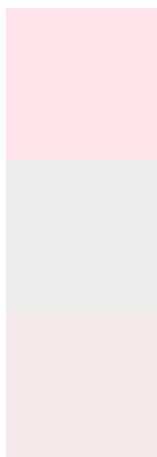
Deuteranomaly

84.2547, 83.2968, 90.2344

Tritanomaly

84.8606, 83.0977, 94.7859

Monochromacy



Original Color

84.2547, 83.2968, 90.2344

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

81.8714, 84.1349, 91.2814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.2547, 83.2968, 90.2344 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, 229, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 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, 229, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 235) }
```

Border

The CSS property to change the border of an element to XYZ 84.2547, 83.2968, 90.2344 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, 229, 235) }
```


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

```
.border{ border-color:rgb(255, 229, 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, 229, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 84.2547, 83.2968, 90.2344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 235) }
```

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

```
.background{ background-color: rgb(255,  
229, 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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