

# Converting Colors

XYZ(89.3311, 90.2114,  
101.9093)

Have a look what the booklet for  
XYZ(89.3311, 90.2114, 101.9093)  
contains.

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# **Color**

**XYZ(89.3434, 90.3575,  
101.5388)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF0F8
RGB	255, 240, 248
RGB Percent	100%, 94%, 97%
CMY	0.0000, 0.0588, 0.0274
CMYK	0.00, 0.06, 0.03, 0.00
HSL	328°, 100%, 97%
HSV	328°, 6%, 100%
XYZ	89.3434, 90.3575, 101.5388
YIQ	245.3970, 6.3720, 5.6680

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 240, 248
Decimal	16773368
CIE <sub>Lab</sub>	96.14, 6.41, -2.05
CIE <sub>LCh</sub>	96, 6.727, 342.302
Yxy	90.3575, 0.3177, 0.3213
Android (android.graphics.Color)	4294963448 (0xFFFFF0F8)
YUV	245.3970, 1.2833, 8.4218
Hunter-Lab	95.0566, 1.4227, 3.2064

# Details

The XYZ color **89.3434, 90.3575, 101.5388** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **88.4864, 96.7620, 102.0124**, and the grayscale version is **87.0989, 91.6348, 99.7903**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.9436, 50.0925, 56.9057** is the 20% darker color. If you saturate the color by 10%, you get **80.5697, 75.6716, 89.7925**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

# Distribution



Red (100%)

Green (94%)

Blue (97%)



Red (100%)

Yellow (94%)

Blue (97%)



Cyan (0%)

Magenta (6%)

Yellow (3%)

Black (0%)



Cyan (0%)

Magenta (6%)

Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.3434, 90.3575, 101.5388 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 89.3434, 90.3575, 101.5388 by changing the saturation by 10% instead.



89.3434, 90.3575,  
101.5388

89.3434, 90.3575,  
101.5388

514.1624,  
529.1931, 586.4038

67.7707, 68.2772,  
76.9622

145.3090,  
147.8349, 165.3405

49.9842, 50.1233,  
56.7105

180.4326,  
184.0007, 205.4028

35.6186, 35.5114,  
40.3651

220.8038,  
225.6306, 251.4640

24.3085, 24.0570,  
27.5073

266.7881,  
273.1088, 303.9428

15.6886, 15.3759,  
17.7188

318.7507,  
326.8197, 363.2576

9.3935, 9.0837,  
10.5810

377.0571,

5.0579, 4.7958,

387.1478, 429.8270

5.6752

442.0725,  
454.4775, 504.0695

■ 2.3164, 2.1279,  
2.5830

■ 0.8030, 0.6803,  
0.8837

■ 89.3434, 90.3575,  
101.5388

■ 89.3434, 90.3575,  
101.5388

■ 80.5697, 75.6716,  
89.7925

95.0500, 100.0000,  
108.9000

■ 72.9203, 63.0503,  
78.9884

■ 66.3483, 52.4029,  
69.1011

■ 60.8008, 43.6273,  
60.1017

■ 56.2204, 36.6124,  
51.9593

■ 52.5437, 31.2354,  
44.6408

■ 49.6991, 27.3570,  
38.1098

■ 47.6032, 24.8150,  
32.3254

■ 46.1532, 23.4078,  
27.2399

# Harmonies

## Analogous

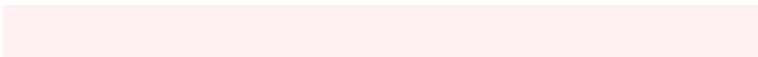
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.3179, 90.3575, 106.1759



89.3434, 90.3575, 101.5388



89.4331, 90.3575, 96.2123

# Triad

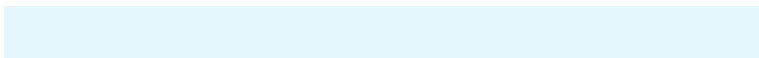
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.3434, 90.3575, 101.5388



85.1204, 90.3575, 88.6883



83.2574, 90.3575, 105.4582

# Complementary

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



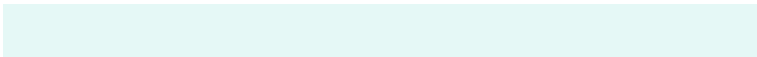
89.3434, 90.3575, 101.5388



88.4864, 96.7620, 102.0124

# 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.



82.4263, 90.3575, 100.5881



89.3434, 90.3575, 101.5388



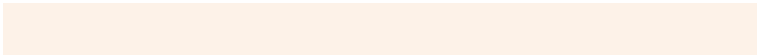
83.4914, 90.3575, 90.9829

# Square

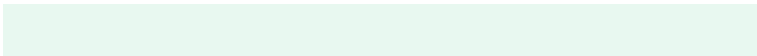
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



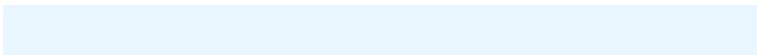
89.3434, 90.3575, 101.5388



86.9767, 90.3575, 88.9220



82.5114, 90.3575, 95.2951



84.7967, 90.3575, 108.4944

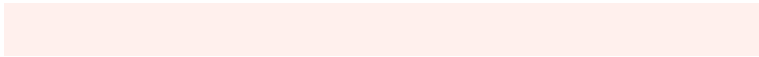


# Rectangle

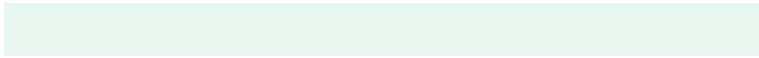
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



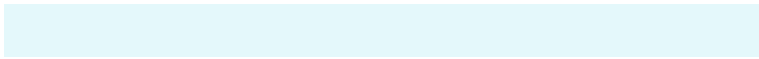
89.3434, 90.3575, 101.5388



88.9485, 90.3575, 92.9980



82.5114, 90.3575, 95.2951



82.8870, 90.3575, 103.9740

# Sweetspot

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



89.3454, 90.3611, 101.5407



93.0636, 96.6367, 106.3589



87.5707, 89.3184, 107.2324



19.9403, 20.7195, 22.7919



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.



89.3454, 90.3611, 101.5407



88.3050, 88.6102, 100.1772



88.2053, 89.9051, 95.5371



18.7822, 18.7667, 21.2858



23.9464, 12.0678, 13.6339



2.3868, 1.1971, 1.6183



# Inverse Universe

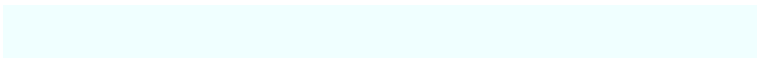
The Inverse Universe completely reimagines the original color for something new.



89.3454, 90.3611, 101.5407



88.3050, 88.6102, 100.1772



89.6668, 97.2342, 108.2286



18.7822, 18.7667, 21.2858



23.9464, 12.0678, 13.6339

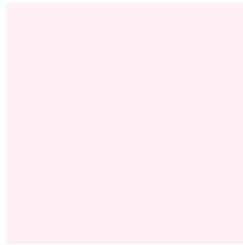


2.3868, 1.1971, 1.6183



# Previews

## White Background



This preview shows how the XYZ color 89.3434, 90.3575, 101.5388 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

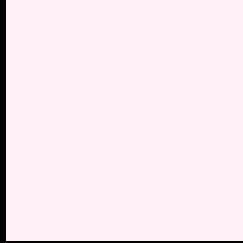
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.3434, 90.3575, 101.5388 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 89.3434, 90.3575, 101.5388

## Background



This preview shows how black text looks on a background with the XYZ color 89.3434, 90.3575, 101.5388.



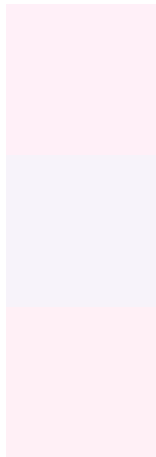
This preview shows how white text looks on a background with the XYZ color 89.3434, 90.3575,

101.5388.

# 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

89.3434, 90.3575, 101.5388

### Protanopia

87.6637, 90.7775, 103.3439

### Deuteranopia

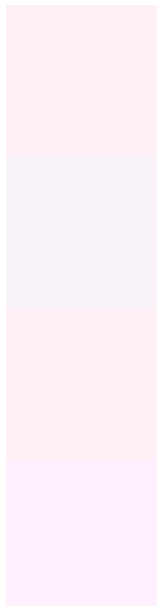
89.0346, 90.2340, 99.9131



## Tritanopia

90.0831, 90.6110, 107.3495

# Trichromacy



## Original Color

89.3434, 90.3575, 101.5388

## Protanomaly

88.2754, 90.6678, 102.4706

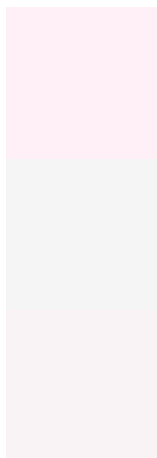
## Deuteranomaly

89.1886, 90.2956, 100.7237

## Tritanomaly

89.6038, 90.4193, 104.8255

# Monochromacy



## Original Color

89.3434, 90.3575, 101.5388

## Achromatopsia

86.7900, 91.3099, 99.4364

## Achromatomaly

87.7521, 90.8947, 100.1082

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.3434, 90.3575, 101.5388 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, 240, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 248)  
}
```

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, 240, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 89.3434, 90.3575, 101.5388 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, 240, 248) }
```



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

```
.border{ border-color:rgb(255, 240, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 240, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 248);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
248) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.3434, 90.3575, 101.5388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 248) }
```

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

```
.background{ background-color: rgb(255,  
240, 248) }
```

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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