

# Converting Colors

XYZ(110.1038, 100.0000,  
106.7087)

Have a look what the booklet for  
XYZ(110.1038, 100.0000, 106.7087)  
contains.

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# Color

**XYZ(89.5442, 89.5009,  
105.4844)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEEFD
RGB	255, 238, 253
RGB Percent	100%, 93%, 99%
CMY	0.0000, 0.0666, 0.0078
CMYK	0.00, 0.07, 0.01, 0.00
HSL	307°, 100%, 97%
HSV	307°, 7%, 100%
XYZ	89.5442, 89.5009, 105.4844
YIQ	244.7930, 5.3170, 8.2690

# Conversions

## Conversions Part 2

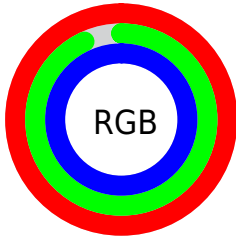
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 238, 253
Decimal	16772861
CIE <sub>Lab</sub>	95.79, 8.31, -5.16
CIE <sub>LCh</sub>	96, 9.778, 328.171
Yxy	89.5009, 0.3147, 0.3146
Android (android.graphics.Color)	4294962941 (0xFFFFEEFD)
YUV	244.7930, 4.0461, 8.9515
Hunter-Lab	94.6049, 3.3929, 0.1151

# Details

The XYZ color 89.5442, 89.5009, 105.4844 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 86.7507, 95.9897, 96.3970, and the grayscale version is 86.5920, 91.1016, 99.2096.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.9805, 49.4472, 59.1346 is the 20% darker color. If you saturate the color by 10%, you get 82.1659, 75.5026, 100.6877, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

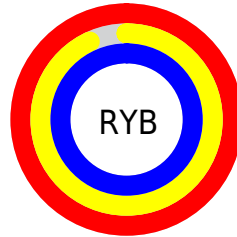
# Distribution



Red (100%)

Green (93%)

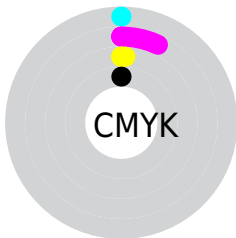
Blue (99%)



Red (100%)

Yellow (93%)

Blue (99%)

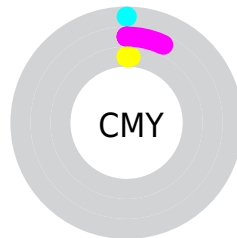


Cyan (0%)

Magenta (7%)

Yellow (1%)

Black (0%)



Cyan (0%)

Magenta (7%)

Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.5442, 89.5009, 105.4844 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 89.5442, 89.5009, 105.4844 by changing the saturation by 10% instead.




 89.5442, 89.5009,  
105.4844

 89.5442, 89.5009,  
105.4844

514.8071,  
526.4060, 599.0329

 67.9377, 67.5668,  
80.2463


145.5867,  
146.6449, 170.7912

 50.1205, 49.5454,  
59.3937


180.7534,  
182.6236, 211.6969

 35.7274, 35.0523,  
42.5080

221.1708,  
224.0526, 258.6623

 24.3928, 23.7032,  
29.1708

267.2044,  
271.3163, 312.1059

 15.7516, 15.1136,  
18.9634

319.2194,  
324.7991, 372.4462

 9.4383, 8.8991,  
11.4673

377.5813,

 5.0875, 4.6754,

384.8854, 440.1018

6.2639

442.6554,  
451.9595, 515.4912

■ 2.3340, 2.0581,  
2.9349

■ 0.8120, 0.6409,  
1.0615

■ 89.5442, 89.5009,  
105.4844

■ 89.5442, 89.5009,  
105.4844

■ 82.1659, 75.5026,  
100.6877

95.0500, 100.0000,  
108.9000

■ 75.8007, 63.5188,  
96.2643

■ 70.4034, 53.4589,  
92.2003

■ 65.9232, 45.2212,  
88.4785

■ 62.3045, 38.6949,  
85.0803

■ 59.4857, 33.7566,  
81.9849

■ 57.3971, 30.2670,  
79.1689

■ 55.9567, 28.0622,  
76.6049

■ 55.0616, 26.9364,  
74.2584

# Harmonies

## Analogous

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



87.5363, 89.5009, 111.1194



89.5442, 89.5009, 105.4844



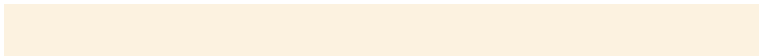
90.3497, 89.5009, 97.9255

# Triad

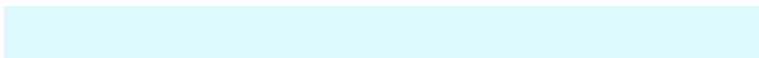
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.5442, 89.5009, 105.4844



85.2333, 89.5009, 83.3662



80.5838, 89.5009, 104.6223

# Complementary

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



89.5442, 89.5009, 105.4844



86.7507, 95.9897, 96.3970

# Split Complementary

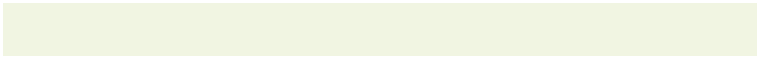
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.9961, 89.5009, 96.9786



89.5442, 89.5009, 105.4844



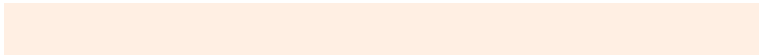
82.6464, 89.5009, 84.9526

# Square

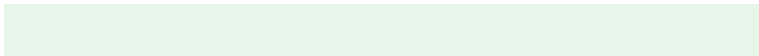
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.5442, 89.5009, 105.4844



87.8285, 89.5009, 85.3854



80.7434, 89.5009, 89.8367



82.3658, 89.5009, 110.6034

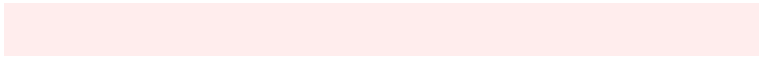


# Rectangle

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



89.5442, 89.5009, 105.4844



90.0839, 89.5009, 92.8988



80.7434, 89.5009, 89.8367



80.2417, 89.5009, 102.1500

# Sweetspot

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



89.5461, 89.5044, 105.4863



93.3481, 96.7505, 107.8571



84.5575, 86.8957, 106.9236



19.9982, 20.7426, 23.0968



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.



89.5461, 89.5044, 105.4863



88.5000, 87.5143, 104.8231



88.2245, 88.9758, 98.5268



18.6953, 18.2614, 22.2783



28.6877, 13.9644, 38.6014



2.8182, 1.3696, 3.8898



# Inverse Universe

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



89.5461, 89.5044, 105.4863



88.5000, 87.5143, 104.8231



88.0406, 96.5056, 103.1896



18.6953, 18.2614, 22.2783



28.6877, 13.9644, 38.6014

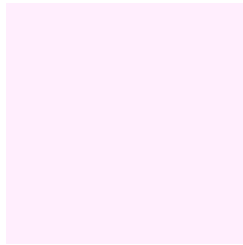


2.8182, 1.3696, 3.8898



# Previews

## White Background



This preview shows how the XYZ color 89.5442, 89.5009, 105.4844 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

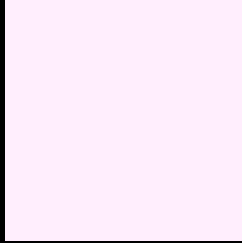
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.5442, 89.5009, 105.4844 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

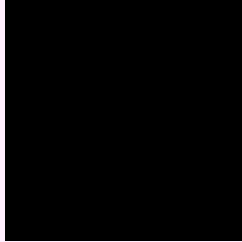
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 89.5442, 89.5009, 105.4844

## Background



This preview shows how black text looks on a background with the XYZ color 89.5442, 89.5009, 105.4844.



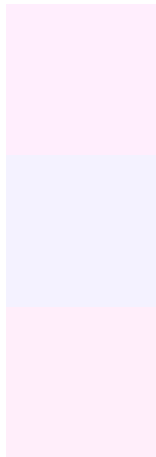
This preview shows how white text looks on a background with the XYZ color 89.5442, 89.5009,

105.4344.

# 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

89.5442, 89.5009, 105.4844

### Protanopia

87.1104, 89.9574, 107.3800

### Deuteranopia

89.0699, 89.3112, 102.9868



## Tritanopia

89.4976, 89.4399, 107.1543

# Trichromacy



## Original Color

89.5442, 89.5009, 105.4844

## Protanomaly

88.0561, 90.0228, 106.5010

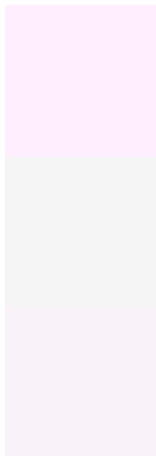
## Deuteranomaly

89.2271, 89.3741, 103.8149

## Tritanomaly

89.3370, 89.3757, 106.3086

# Monochromacy



## Original Color

89.5442, 89.5009, 105.4844

## Achromatopsia

86.7900, 91.3099, 99.4364

## Achromatomaly

87.7623, 90.4213, 101.6344

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.5442, 89.5009, 105.4844 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, 238, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 253)  
}
```

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, 238, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 89.5442, 89.5009, 105.4844 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, 238, 253) }
```



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

```
.border{ border-color:rgb(255, 238, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 238, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.5442, 89.5009, 105.4844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 253) }
```

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

```
.background{ background-color: rgb(255,  
238, 253) }
```

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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