

# Converting Colors

XYZ(87.9674, 87.9013,  
101.9528)

Have a look what the booklet for  
XYZ(87.9674, 87.9013, 101.9528)  
contains.

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# **Color**

**XYZ(87.9674, 87.9013,  
101.9528)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">FEECF9</a>
RGB	<a href="#">254, 236, 249</a>
RGB Percent	<a href="#">100%, 93%, 98%</a>
CMY	<a href="#">0.0039, 0.0745, 0.0235</a>
CMYK	<a href="#">0.00, 0.07, 0.02, 0.00</a>
HSL	<a href="#">317°, 90%, 96%</a>
HSV	<a href="#">317°, 7%, 100%</a>
XYZ	<a href="#">87.9674, 87.9013, 101.9528</a>
YIQ	<a href="#">242.8640, 6.5550, 7.8590</a>

# Conversions

## Conversions Part 2

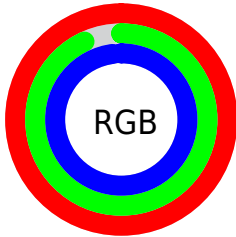
Format	Color
R <sub>Y</sub> B	254, 236, 249
Decimal	16706809
CIE Lab	95.12, 8.30, -4.08
CIE LCh	95, 9.249, 333.836
Yxy	87.9013, 0.3166, 0.3164
Android (android.graphics.Color)	4294896889 (0xFFFEECF9)
YUV	242.8640, 3.0250, 9.7663
Hunter-Lab	93.7557, 3.4073, 1.1552

# Details

The XYZ color **87.9674, 87.9013, 101.9528** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.9144, 95.0697, 97.0459**, and the grayscale version is **85.0585, 89.4882, 97.4527**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.9729, 48.3631, 57.2059** is the 20% darker color. If you saturate the color by 10%, you get **80.0887, 73.8715, 93.9980**, and if you desaturate by 10%, it is **94.6836, 99.8111, 108.8829**.

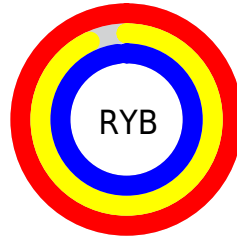
# Distribution



Red (100%)

Green (93%)

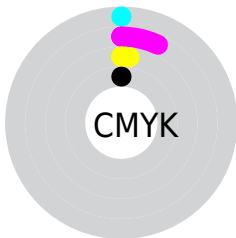
Blue (98%)



Red (100%)

Yellow (93%)

Blue (98%)

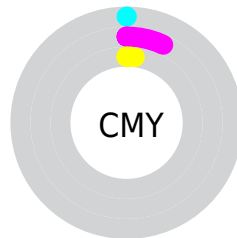


Cyan (0%)

Magenta (7%)

Yellow (2%)

Black (0%)



Cyan (0%)

Magenta (7%)

Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.9674, 87.9013, 101.9528 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 87.9674, 87.9013, 101.9528 by changing the saturation by 10% instead.




 87.9674, 87.9013,  
101.9528

 87.9674, 87.9013,  
101.9528


509.7335,  
521.1800, 587.7356

 66.6268, 66.2413,  
77.3065


143.4045,  
144.4197, 165.9134

 49.0510, 48.4683,  
56.9914


178.2317,  
180.0470, 206.0648

 34.8746, 34.1979,  
40.5890

218.2852,  
221.0988, 252.2216

 23.7324, 23.0457,  
27.6808

263.9302,  
267.9596, 304.8023

 15.2589, 14.6272,  
17.8482

315.5322,  
321.0137, 364.2255

 9.0888, 8.5582,  
10.6728

373.4565,

 4.8567, 4.4542,

380.6455, 430.9098

5.7359

438.0685,  
447.2395, 505.2736

■ 2.1973, 1.9307,  
2.6190

■ 0.7413, 0.5667,  
0.9022

■ 87.9674, 87.9013,  
101.9528

■ 87.9674, 87.9013,  
101.9528

■ 80.0887, 73.8715,  
93.9980

94.6836, 99.8111,  
108.8829

■ 73.2447, 61.8468,  
86.5889

■ 67.3907, 51.7373,  
79.7093

■ 62.4757, 43.4419,  
73.3400

■ 58.4441, 36.8500,  
67.4602

■ 55.2341, 31.8389,  
62.0468

■ 52.7757, 28.2694,  
57.0741

■ 50.9868, 25.9779,  
52.5123

■ 49.7624, 24.7552,  
48.3238

# Harmonies

## Analogous

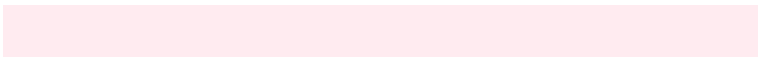
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.2717, 87.9013, 107.6914



87.9674, 87.9013, 101.9528



88.4704, 87.9013, 94.7853

# Triad

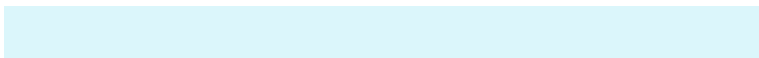
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.9674, 87.9013, 101.9528



83.2242, 87.9013, 82.5345



79.5914, 87.9013, 103.6372

# Complementary

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



87.9674, 87.9013, 101.9528



85.9144, 95.0697, 97.0459

# 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.



78.8108, 87.9013, 96.6399



87.9674, 87.9013, 101.9528



80.8814, 87.9013, 84.6512

# Square

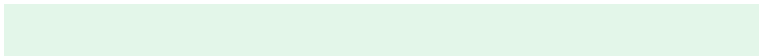
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



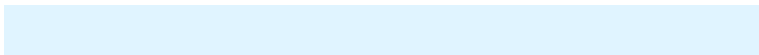
87.9674, 87.9013, 101.9528



85.7000, 87.9013, 83.7996



79.2783, 87.9013, 89.7266



81.4315, 87.9013, 108.6977

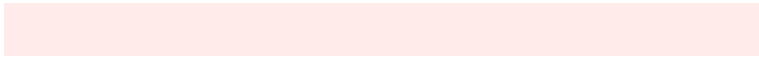


# Rectangle

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



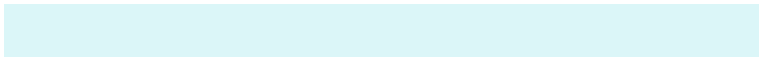
87.9674, 87.9013, 101.9528



88.0535, 87.9013, 90.2164



79.2783, 87.9013, 89.7266



79.1980, 87.9013, 101.4213

# Sweetspot

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



87.9699, 87.9051, 101.9547



93.2172, 96.6981, 107.1677



84.0958, 85.8166, 105.8992



19.9715, 20.7320, 22.9566



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

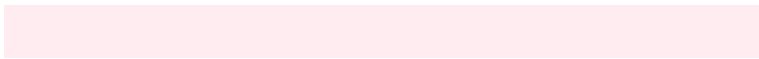
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.9699, 87.9051, 101.9547



87.1509, 85.8175, 101.2860



86.6294, 87.3689, 94.8958



18.5647, 18.2092, 21.5909



26.1444, 12.9470, 25.2084



2.5920, 1.2792, 2.6989



# Inverse Universe

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



87.9699, 87.9051, 101.9547



87.1509, 85.8175, 101.2860



87.2607, 95.6083, 104.1354



18.5647, 18.2092, 21.5909



26.1444, 12.9470, 25.2084

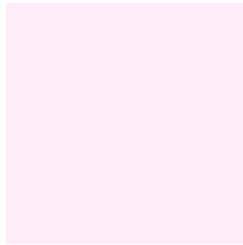


2.5920, 1.2792, 2.6989



# Previews

## White Background



This preview shows how the XYZ color 87.9674, 87.9013, 101.9528 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

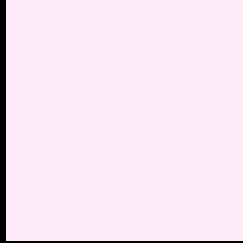
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.9674, 87.9013, 101.9528 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

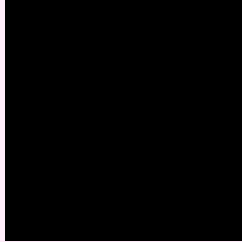
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 87.9674, 87.9013, 101.9528

## Background



This preview shows how black text looks on a background with the XYZ color 87.9674, 87.9013, 101.9528.



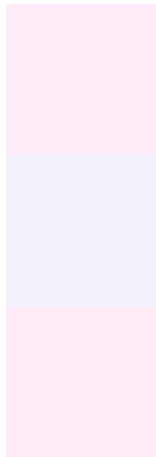
This preview shows how white text looks on a background with the XYZ color 87.9674, 87.9013,

101.9528.

# 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

87.9674, 87.9013, 101.9528

### Protanopia

85.1906, 88.1625, 103.7938

### Deuteranopia

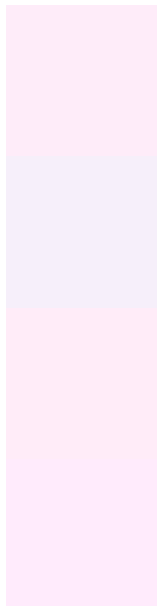
88.0240, 87.9663, 100.3355



## Tritanopia

88.8377, 87.8324, 106.0370

# Trichromacy



## Original Color

87.9674, 87.9013, 101.9528

## Protanomaly

86.1279, 88.2280, 102.9328

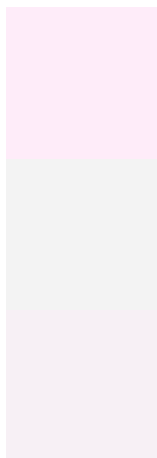
## Deuteranomaly

88.1787, 88.0282, 101.1506

## Tritanomaly

88.5190, 87.7049, 104.3588

# Monochromacy



## Original Color

87.9674, 87.9013, 101.9528

## Achromatopsia

85.1904, 89.6269, 97.6037

## Achromatomaly

85.9993, 88.6869, 98.9718

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.9674, 87.9013, 101.9528 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(254, 236, 249) looks like.

```
.text, #text, p{  
    color:rgb(254, 236, 249)  
}
```

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(254, 236, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 236, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 87.9674, 87.9013, 101.9528 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(254, 236, 249) }
```



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

```
.border{ border-color:rgb(254, 236, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 236, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 236, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 236, 249);  
box-shadow:4px 4px 4px 4px rgb(254, 236,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.9674, 87.9013, 101.9528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 236, 249) }
```

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

```
.background{ background-color: rgb(254,  
236, 249) }
```

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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