

# Converting Colors

XYZ(90.4279, 91.7782,  
107.5566)

Have a look what the booklet for  
XYZ(90.4279, 91.7782, 107.5566)  
contains.

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# **Color**

**XYZ(90.3101, 91.6069,  
107.5298)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDF2FF
RGB	253, 242, 255
RGB Percent	99%, 95%, 100%
CMY	0.0078, 0.0510, 0.0000
CMYK	0.01, 0.05, 0.00, 0.00
HSL	291°, 100%, 97%
HSV	291°, 5%, 100%
XYZ	90.3101, 91.6069, 107.5298
YIQ	246.7710, 2.3830, 6.3750

# Conversions

## Conversions Part 2

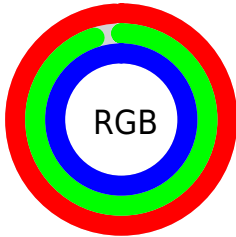
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	253, 242, 255
Decimal	16642815
CIE Lab	96.66, 5.95, -4.93
CIE LCh	97, 7.726, 320.374
Yxy	91.6069, 0.3120, 0.3165
Android (android.graphics.Color)	4294832895 (0xFFFD2FF)
YUV	246.7710, 4.0569, 5.4628
Hunter-Lab	95.7115, 0.9314, 0.3870

# Details

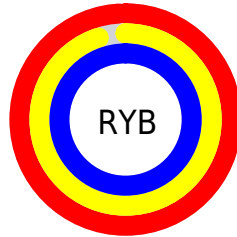
The XYZ color **90.3101, 91.6069, 107.5298** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **89.0977, 97.1650, 98.0679**, and the grayscale version is **88.1909, 92.7837, 101.0415**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **50.5169, 50.9308, 60.5942** is the 20% darker color. If you saturate the color by 10%, you get **81.8310, 76.7458, 105.1082**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

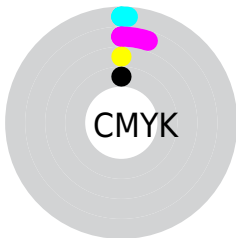
# Distribution



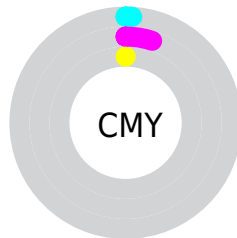
- Red (99%)
- Green (95%)
- Blue (100%)



- Red (99%)
- Yellow (95%)
- Blue (100%)



- Cyan (1%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (1%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.3101, 91.6069, 107.5298 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 90.3101, 91.6069, 107.5298 by changing the saturation by 10% instead.



90.3101, 91.6069,  
107.5298

90.3101, 91.6069,  
107.5298

517.2619,  
533.2443, 605.5252

68.5750, 69.3142,  
81.9519

146.6452,  
149.5685, 173.6088

50.6410, 50.9676,  
60.7903

181.9759,  
186.0061, 214.9470

36.1429, 36.1828,  
43.6265

222.5692,  
227.9274, 262.3756

24.7152, 24.5754,  
30.0419

268.7905,  
275.7169, 316.3133

15.9926, 15.7610,  
19.6181

321.0050,  
329.7590, 377.1785

9.6097, 9.3552,  
11.9364

379.5782,

5.2012, 4.9736,

390.4379, 445.3899

6.5784

444.8754,  
458.1383, 521.3659

■ 2.4018, 2.2318,  
3.1254

■ 0.8460, 0.7372,  
1.1590

■ 90.3101, 91.6069,  
107.5298

■ 90.3101, 91.6069,  
107.5298

■ 81.8310, 76.7458,  
105.1082

95.0500, 100.0000,  
108.9000

■ 74.3934, 63.9251,  
103.0256

■ 67.9528, 53.0555,  
101.2670

■ 62.4590, 44.0366,  
99.8157

■ 57.8571, 36.7588,  
98.6535

■ 54.0863, 31.1013,  
97.7602

■ 51.0784, 26.9272,  
97.1131

■ 48.7534, 24.0774,  
96.6855

■ 47.0130, 22.3554,  
96.4449

# Harmonies

## Analogous

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



88.5246, 91.6069, 111.3237



90.3101, 91.6069, 107.5298



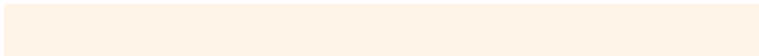
91.2318, 91.6069, 101.7480

# Triad

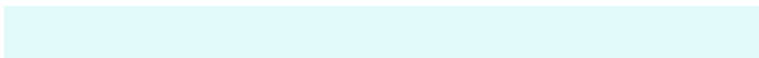
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.3101, 91.6069, 107.5298



87.7664, 91.6069, 88.4634



83.2314, 91.6069, 103.9458

# Complementary

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



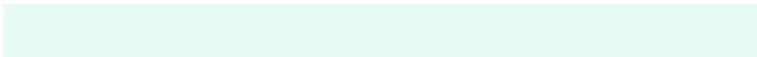
90.3101, 91.6069, 107.5298



89.0977, 97.1650, 98.0679

# Split Complementary

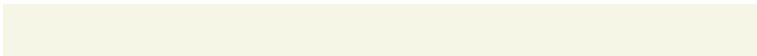
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.0360, 91.6069, 97.7672



90.3101, 91.6069, 107.5298



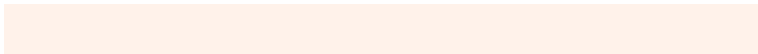
85.6307, 91.6069, 88.9972

# Square

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



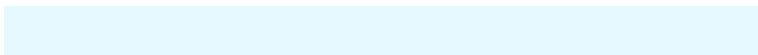
90.3101, 91.6069, 107.5298



89.7472, 91.6069, 90.8546



83.9076, 91.6069, 92.3440



84.4458, 91.6069, 109.1958



# Rectangle

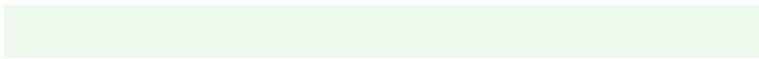
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.3101, 91.6069, 107.5298



91.2221, 91.6069, 97.6163



83.9076, 91.6069, 92.3440



83.0451, 91.6069, 101.9030

# Sweetspot

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



90.3125, 91.6107, 107.5304



93.1566, 96.6406, 108.3514



87.0723, 90.9030, 107.5646



19.9592, 20.7203, 23.1974



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.



90.3125, 91.6107, 107.5304



89.5014, 90.1801, 107.2970



90.3543, 91.7119, 103.9332



19.0328, 19.0834, 22.9303



24.2986, 11.4369, 50.3614

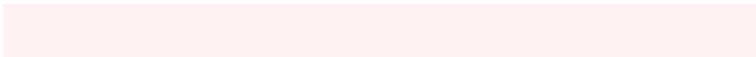


2.4367, 1.1501, 4.9068

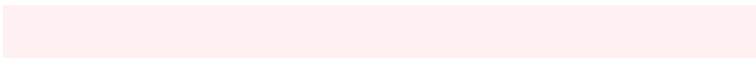


# Inverse Universe

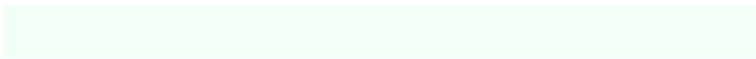
The Inverse Universe completely reimagines the original color for something new.



89.3237, 91.2997, 98.5062



88.3468, 89.8177, 96.7264



89.0664, 97.0729, 101.5031



18.7604, 18.9980, 20.4308



21.7757, 11.1996, 2.2034

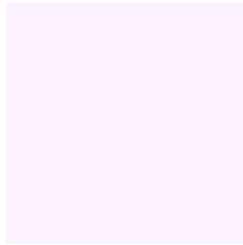


2.1518, 1.1031, 0.3811



# Previews

## White Background



This preview shows how the XYZ color 90.3101, 91.6069, 107.5298 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

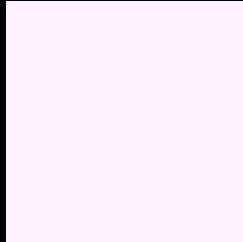
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.3101, 91.6069, 107.5298 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

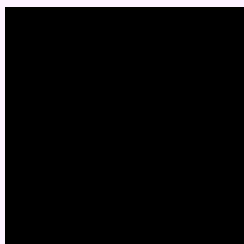
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

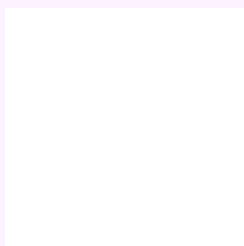
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 90.3101, 91.6069, 107.5298

## Background



This preview shows how black text looks on a background with the XYZ color 90.3101, 91.6069, 107.5298.



This preview shows how white text looks on a background with the XYZ color 90.3101, 91.6069,



# 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

90.3101, 91.6069, 107.5298

### Protanopia

88.4067, 91.5142, 107.6122

### Deuteranopia

90.4047, 91.7293, 104.2075



## Tritanopia

89.8843, 91.8304, 107.5954

# Trichromacy



## Original Color

90.3101, 91.6069, 107.5298

## Protanomaly

89.1675, 91.4609, 107.5618

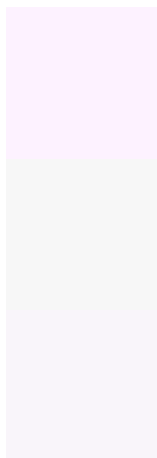
## Deuteranomaly

90.1959, 91.6034, 105.0228

## Tritanomaly

90.2455, 92.0166, 107.6123

# Monochromacy



## Original Color

90.3101, 91.6069, 107.5298

## Achromatopsia

88.4070, 93.0111, 101.2891

## Achromatomaly

88.9746, 92.3467, 103.5777

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.3101, 91.6069, 107.5298 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(253, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(253, 242, 255)  
}
```

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(253, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 242, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 90.3101, 91.6069, 107.5298 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(253, 242, 255) }
```



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

```
.border{ border-color:rgb(253, 242, 255) }
```

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

Here you see how a box with a 4 pixel rgb(253, 242, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(253, 242,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.3101, 91.6069, 107.5298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 242, 255) }
```

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

```
.background{ background-color: rgb(253,  
242, 255) }
```

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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