

# Converting Colors

XYZ(90.1139, 95.8271,  
100.5680)

Have a look what the booklet for  
XYZ(90.1139, 95.8271, 100.5680)  
contains.

<b>XYZ(90.1987, 95.7879, 100.9237)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(90.1987, 95.7879,  
100.9237)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9FBF6
RGB	249, 251, 246
RGB Percent	98%, 98%, 96%
CMY	0.0235, 0.0157, 0.0353
CMYK	0.01, 0.00, 0.02, 0.02
HSL	84°, 39%, 97%
HSV	84°, 2%, 98%
XYZ	90.1987, 95.7879, 100.9237
YIQ	249.8320, 0.4130, -1.9790

# Conversions

## Conversions Part 2

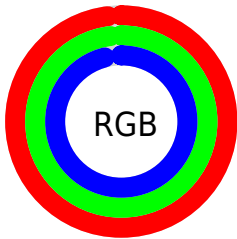
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	246, 251, 248
Decimal	16382966
CIE <sub>Lab</sub>	98.35, -1.53, 2.15
CIE <sub>LCh</sub>	98, 2.637, 125.440
Yxy	95.7879, 0.3144, 0.3339
Android (android.graphics.Color)	4294573046 (0xFFFF9FBF6)
YUV	249.8320, -1.8892, -0.7297
Hunter-Lab	97.8713, -6.7682, 7.3708

# Details

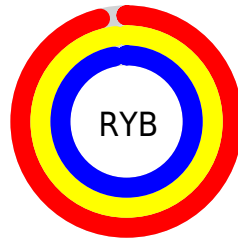
The XYZ color 90.1987, 95.7879, 100.9237 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.0833, 92.8355, 104.4955, and the grayscale version is 90.7449, 95.4707, 103.9676.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.8017, 54.0854, 56.4772 is the 20% darker color. If you saturate the color by 10%, you get 83.1165, 92.5551, 81.8218, and if you desaturate by 10%, it is 93.7890, 97.4780, 108.4797.

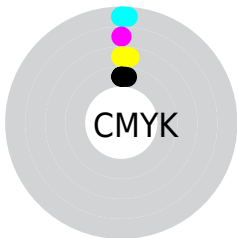
# Distribution



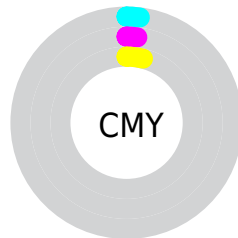
- Red (98%)
- Green (98%)
- Blue (96%)



- Red (96%)
- Yellow (98%)
- Blue (97%)



- Cyan (1%)
- Magenta (0%)
- Yellow (2%)
- Black (2%)



- Cyan (2%)
- Magenta (2%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.1987, 95.7879, 100.9237 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 90.1987, 95.7879, 100.9237 by changing the saturation by 10% instead.



90.1987, 95.7879,  
100.9237

90.1987, 95.7879,  
100.9237

516.9053,  
546.6843, 584.4221

68.4823, 72.7909,  
76.4510

146.4913,  
155.3527, 164.4889

50.5653, 53.8050,  
56.2935

181.7982,  
192.6892, 204.4185

36.0824, 38.4458,  
40.0327

222.3660,  
235.5745, 250.3375

24.6682, 26.3289,  
27.2501

268.5600,  
284.3928, 302.6644

15.9575, 17.0698,  
17.5270

320.7455,  
339.5285, 361.8178

9.5847, 10.2843,  
10.4451

379.2880,

5.1846, 5.5879,

401.3661, 428.2161

5.5856

444.5528,  
470.2899, 502.2781

■ 2.3919, 2.5961,  
2.5301

■ 0.8411, 0.9247,  
0.8560

■ 90.1987, 95.7879,  
100.9237

■ 90.1987, 95.7879,  
100.9237

■ 83.1165, 92.5551,  
81.8218

■ 93.7890, 97.4780,  
108.4797

■ 76.7203, 89.6155,  
65.3596

■ 70.9877, 86.9628,  
51.4224

■ 65.8918, 84.5858,  
39.8849

■ 61.4036, 82.4727,  
30.6110

■ 57.4913, 80.6103,  
23.4509

■ 54.1199, 78.9842,  
18.2368

■ 51.2490, 77.5778,  
14.7755

■ 48.8310, 76.3717,  
12.8339

# Harmonies

## Analogous

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



90.9050, 95.7879, 100.1853



90.1987, 95.7879, 100.9237



89.7207, 95.7879, 102.5667

# Triad

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



90.1987, 95.7879, 100.9237



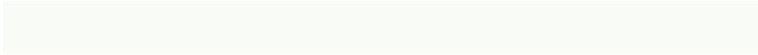
90.4374, 95.7879, 108.1502



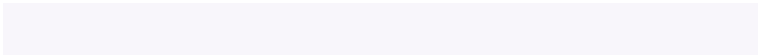
92.5062, 95.7879, 103.9004

# Complementary

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



90.1987, 95.7879, 100.9237



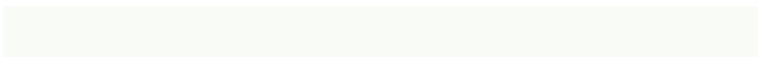
89.0833, 92.8355, 104.4955

# Split Complementary

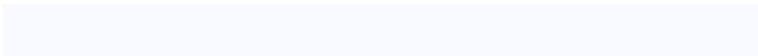
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.3793, 95.7879, 106.0461



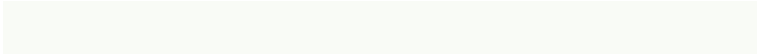
90.1987, 95.7879, 100.9237



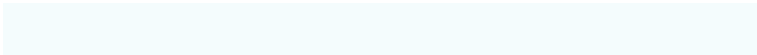
91.1822, 95.7879, 108.5192

# Square

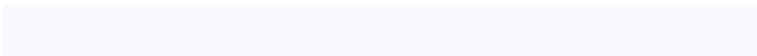
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



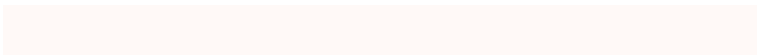
90.1987, 95.7879, 100.9237



89.8580, 95.7879, 106.7427



91.8936, 95.7879, 107.7441



92.2394, 95.7879, 101.8885

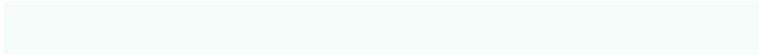


# Rectangle

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



90.1987, 95.7879, 100.9237



89.5944, 95.7879, 103.9644



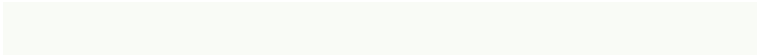
91.8936, 95.7879, 107.7441



92.5082, 95.7879, 104.6298

# Sweetspot

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



90.2014, 95.7920, 100.9258



94.2674, 99.6437, 106.7345



89.9891, 94.3011, 100.6492



20.1854, 21.3316, 22.8684



0.0000, 0.0000, 0.0000

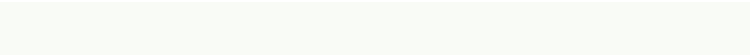


20.3446, 21.4041, 23.3091



# Same Dimension

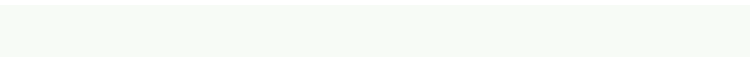
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.2014, 95.7920, 100.9258



93.4922, 99.2905, 104.5977



89.3163, 95.3357, 100.8844



19.1730, 20.3522, 21.4771



24.9596, 39.7854, 6.3638

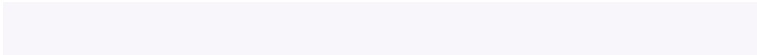


2.4313, 3.7465, 0.5950



# Inverse Universe

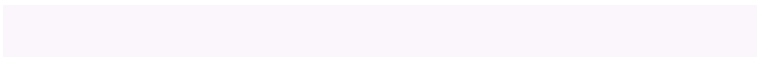
The Inverse Universe completely reimagines the original color for something new.



89.0833, 92.8355, 104.4955



92.3286, 96.2138, 108.3126



89.9755, 93.2955, 104.5373



18.9467, 19.7538, 22.1996



12.0994, 5.1802, 48.3357

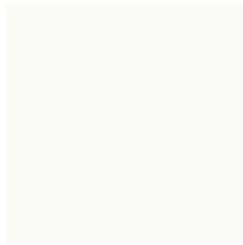


1.2366, 0.5396, 4.4821



# Previews

## White Background



This preview shows how the XYZ color 90.1987, 95.7879, 100.9237 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 90.1987, 95.7879, 100.9237 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

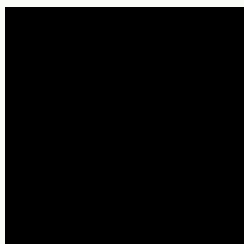
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

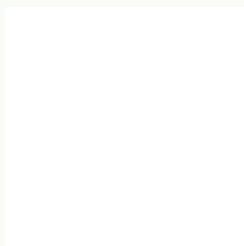
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 90.1987, 95.7879, 100.9237

## Background



This preview shows how black text looks on a background with the XYZ color 90.1987, 95.7879, 100.9237.



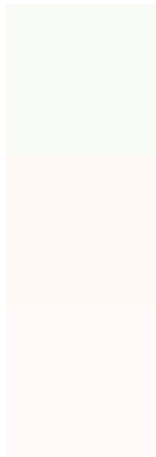
This preview shows how white text looks on a background with the XYZ color 90.1987, 95.7879, 100.9237.

100.9237.

# 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

90.1987, 95.7879, 100.9237

### Protanopia

91.7502, 95.6652, 100.8182

### Deuteranopia

92.3710, 95.9135, 104.0872

## **Tritanopia**

92.0193, 96.1004, 108.3070

# Trichromacy

## Original Color

90.1987, 95.7879, 100.9237

## Protanomaly

91.3282, 95.9077, 100.8873

## Deuteranomaly

91.7925, 96.0934, 103.3324

## Tritanomaly

91.1806, 95.7235, 105.7662

# Monochromacy

## Original Color

90.1987, 95.7879, 100.9237

## Achromatopsia

90.8653, 95.5973, 104.1055

## Achromatomaly

90.7088, 95.5348, 103.2817

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.1987, 95.7879, 100.9237 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(249, 251, 246) looks like.

```
.text, #text, p{  
    color:rgb(249, 251, 246)  
}
```

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(249, 251, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 251, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 90.1987, 95.7879, 100.9237 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(249, 251, 246) }
```



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

```
.border{ border-color:rgb(249, 251, 246) }
```

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

Here you see how a box with a 4 pixel rgb(249, 251, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 251, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 251, 246);  
box-shadow:4px 4px 4px 4px rgb(249, 251,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.1987, 95.7879, 100.9237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 251, 246) }
```

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

```
.background{ background-color: rgb(249,  
251, 246) }
```

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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