

# Converting Colors

XYZ(90.4400, 95.0600, 94.1685)

Have a look what the booklet for  
XYZ(90.4400, 95.0600, 94.1685)  
contains.

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# **Color**

**XYZ(90.5483, 95.1844,  
94.4889)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF9EE
RGB	255, 249, 238
RGB Percent	100%, 98%, 93%
CMY	0.0000, 0.0235, 0.0667
CMYK	0.00, 0.02, 0.07, 0.00
HSL	39°, 100%, 97%
HSV	39°, 7%, 100%
XYZ	90.5483, 95.1844, 94.4889
YIQ	249.5400, 7.1070, -2.1490

# Conversions

## Conversions Part 2

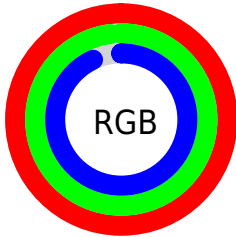
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	247, 255, 238
Decimal	16775662
CIE Lab	98.11, 0.14, 5.97
CIE LCh	98, 5.971, 88.637
Yxy	95.1844, 0.3231, 0.3397
Android (android.graphics.Color)	4294965742 (0xFFFFF9EE)
YUV	249.5400, -5.6892, 4.7884
Hunter-Lab	97.5625, -5.0675, 10.8716

# Details

The XYZ color 90.5483, 95.1844, 94.4889 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 85.6599, 90.0962, 107.4833, and the grayscale version is 90.5301, 95.2447, 103.7215.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.8022, 53.5231, 51.9094 is the 20% darker color. If you saturate the color by 10%, you get 84.3514, 88.3675, 75.2306, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

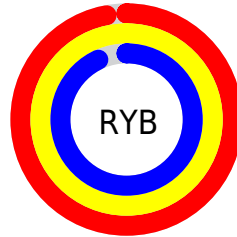
# Distribution



Red (100%)

Green (98%)

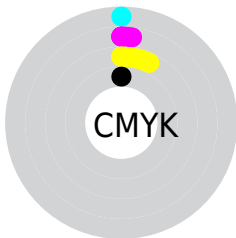
Blue (93%)



Red (97%)

Yellow (100%)

Blue (93%)

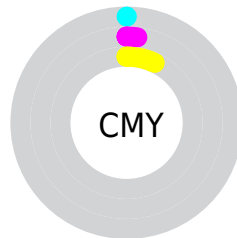


Cyan (0%)

Magenta (2%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (2%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.5483, 95.1844, 94.4889 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 90.5483, 95.1844, 94.4889 by changing the saturation by 10% instead.



90.5483, 95.1844,  
94.4889

90.5483, 95.1844,  
94.4889

518.0242,  
544.7551, 563.4699

68.7733, 72.2885,  
71.1151

146.9743,  
154.5193, 155.5478

50.8030, 53.3944,  
51.9537

182.3559,  
191.7271, 194.0700

36.2723, 38.1177,  
36.5862

223.0038,  
234.4743, 238.4788

24.8157, 26.0740,  
24.5940

269.2832,  
283.1453, 289.1927

16.0678, 16.8790,  
15.5586

321.5596,  
338.1245, 346.6302

9.6633, 10.1483,  
9.0614

380.1984,

5.2368, 5.4974,

399.7963, 411.2099

4.6839

445.5648,  
468.5450, 483.3503

■ 2.4231, 2.5419,  
2.0075

■ 0.8566, 0.8976,  
0.5599

■ 90.5483, 95.1844,  
94.4889

■ 90.5483, 95.1844,  
94.4889

■ 84.3514, 88.3675,  
75.2306

95.0500, 100.0000,  
108.9000

■ 78.7921, 82.0124,  
58.6919

■ 73.8468, 76.1099,  
44.7492

■ 69.4881, 70.6458,  
33.2668

■ 65.6860, 65.6050,  
24.0965

■ 62.4073, 60.9710,  
17.0741

■ 59.6149, 56.7257,  
12.0133

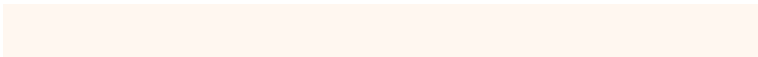
■ 57.2651, 52.8483,  
8.6960

■ 55.3040, 49.3136,  
6.8478

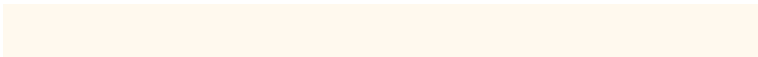
# Harmonies

## Analogous

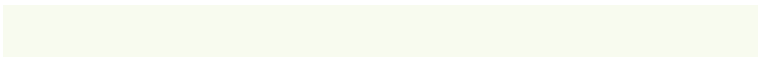
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.1957, 95.1844, 95.7887



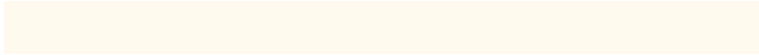
90.5483, 95.1844, 94.4889



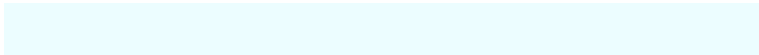
88.8999, 95.1844, 95.5759

# Triad

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



90.5483, 95.1844, 94.4889



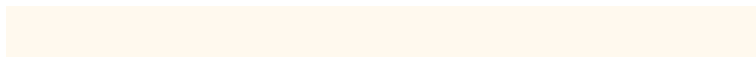
87.6087, 95.1844, 108.2284



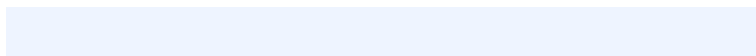
93.3128, 95.1844, 108.6290

# Complementary

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



90.5483, 95.1844, 94.4889



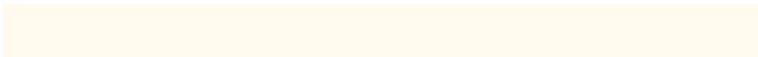
85.6599, 90.0962, 107.4833

# Split Complementary

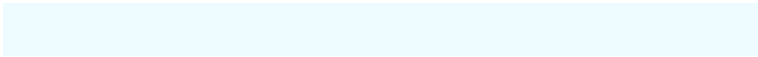
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.0583, 95.1844, 112.1446



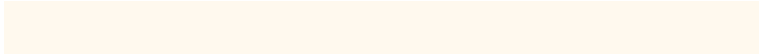
90.5483, 95.1844, 94.4889



88.7658, 95.1844, 111.9082

# Square

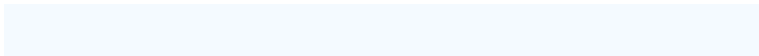
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.5483, 95.1844, 94.4889



87.2156, 95.1844, 103.4154



90.3916, 95.1844, 113.3629

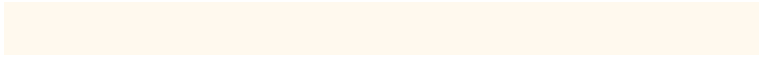


93.8042, 95.1844, 103.8642



# Rectangle

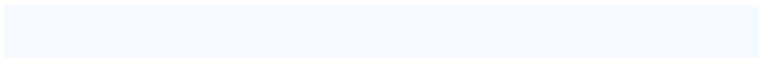
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.5483, 95.1844, 94.4889



88.0193, 95.1844, 97.5278



90.3916, 95.1844, 113.3629



92.9656, 95.1844, 110.0016

# Sweetspot

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



90.5504, 95.1883, 94.4909



93.6686, 98.5338, 104.4424



88.1798, 88.9560, 98.2974



20.0635, 21.1057, 22.4017



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

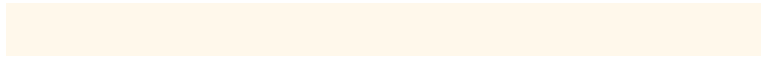


# Same Dimension

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



90.5504, 95.1883, 94.4909



89.6856, 94.2510, 91.7599



91.6040, 98.5258, 95.0796



18.9907, 19.9495, 18.9941



28.7329, 25.4770, 3.4032

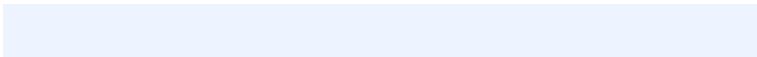


2.9005, 2.6863, 0.3656

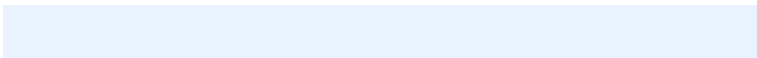


# Inverse Universe

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



85.6599, 90.0962, 107.4833



83.8697, 88.1955, 107.2108



84.6513, 86.9423, 106.9277



17.5270, 18.4255, 22.8827



11.4648, 7.8392, 50.3434

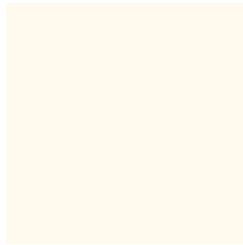


1.2145, 0.9596, 4.9345



# Previews

## White Background



This preview shows how the XYZ color 90.5483, 95.1844, 94.4889 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

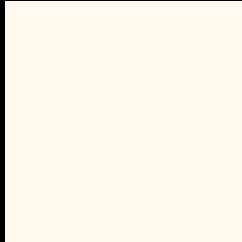
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.5483, 95.1844, 94.4889 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

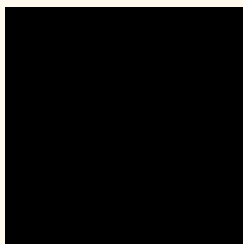
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 90.5483, 95.1844, 94.4889**

## **Background**



This preview shows how black text looks on a background with the XYZ color 90.5483, 95.1844, 94.4889.



This preview shows how white text looks on a background with the XYZ color 90.5483, 95.1844,



# 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**

90.5483, 95.1844, 94.4889

**Protanopia**

90.9929, 95.3622, 96.8300

**Deuteranopia**

91.7507, 95.1721, 102.3412

## **Tritanopia**

92.1254, 95.2374, 108.1349

# Trichromacy



## Original Color

90.5483, 95.1844, 94.4889

## Protanomaly

90.8439, 95.3026, 96.0453

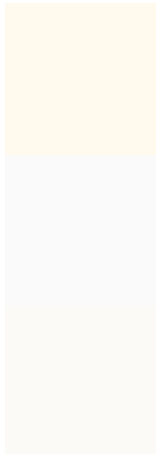
## Deuteranomaly

91.1365, 94.9265, 99.1072

## Tritanomaly

91.5393, 95.0452, 103.1434

# Monochromacy



## Original Color

90.5483, 95.1844, 94.4889

## Achromatopsia

90.8653, 95.5973, 104.1055

## Achromatomaly

90.9650, 95.7205, 100.8703

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.5483, 95.1844, 94.4889 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, 249, 238) looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 238)  
}
```

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, 249, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 90.5483, 95.1844, 94.4889 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".

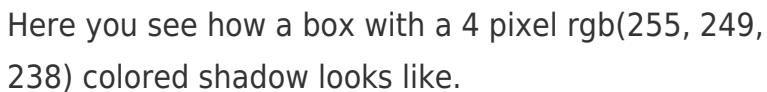
```
.border, #border, table{ border:4px solid rgb(255, 249, 238) }
```



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

```
.border{ border-color:rgb(255, 249, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 249, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 249, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 249, 238); box-shadow:4px 4px 4px 4px rgb(255, 249, 238) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.5483, 95.1844, 94.4889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 238) }
```

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

```
.background{ background-color: rgb(255,  
249, 238) }
```

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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