

# Converting Colors

XYZ(91.5752, 100.0000,  
89.6161)

Have a look what the booklet for  
XYZ(91.5752, 100.0000, 89.6161)  
contains.

<b>XYZ(90.5509, 98.1158, 89.0286)</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(90.5509, 98.1158,  
89.0286)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDFFE6
RGB	253, 255, 230
RGB Percent	99%, 100%, 90%
CMY	0.0078, 0.0000, 0.0980
CMYK	0.01, 0.00, 0.10, 0.00
HSL	65°, 100%, 95%
HSV	65°, 10%, 100%
XYZ	90.5509, 98.1158, 89.0286
YIQ	251.5520, 6.8330, -8.1990

# Conversions

## Conversions Part 2

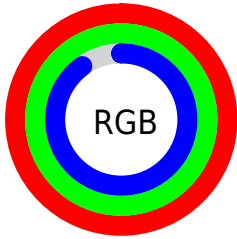
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	230, 255, 232
Decimal	16646118
CIE <sub>Lab</sub>	99.27, -4.85, 11.72
CIE <sub>LCh</sub>	99, 12.681, 112.493
Yxy	98.1158, 0.3261, 0.3533
Android (android.graphics.Color)	4294836198 (0xFFFFDFFE6)
YUV	251.5520, -10.6251, 1.2699
Hunter-Lab	99.0534, -10.1655, 16.0479

# Details

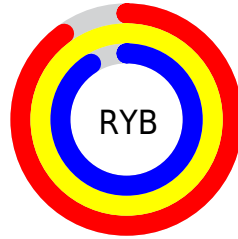
The XYZ color 90.5509, 98.1158, 89.0286 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 79.6263, 80.9707, 106.0399, and the grayscale version is 92.2345, 97.0379, 105.6743.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.5990, 55.1799, 48.0283 is the 20% darker color. If you saturate the color by 10%, you get 86.4894, 96.4059, 71.4926, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

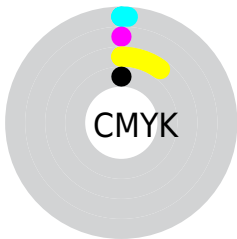
# Distribution



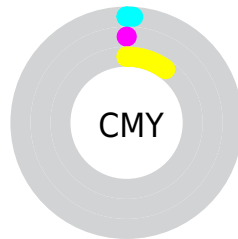
- Red (99%)
- Green (100%)
- Blue (90%)



- Red (90%)
- Yellow (100%)
- Blue (91%)



- Cyan (1%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)




- Cyan (1%)
- Magenta (0%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.5509, 98.1158, 89.0286 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 90.5509, 98.1158, 89.0286 by changing the saturation by 10% instead.




 90.5509, 98.1158,  
89.0286

 90.5509, 98.1158,  
89.0286

518.0325,  
554.0925, 545.3542

 68.7754, 74.7310,  
66.6061


146.9778,  
158.5623, 147.9120

 50.8048, 55.3925,  
48.3050


182.3600,  
196.3927, 185.2101

 36.2737, 39.7161,  
33.7068


223.0085,  
239.8071, 228.3036

 24.8167, 27.3172,  
22.3929

269.2886,  
289.1898, 277.6114

 16.0686, 17.8116,  
13.9448

321.5657,  
344.9254, 333.5517

 9.6639, 10.8148,  
7.9440

380.2051,

 5.2372, 5.9425,

407.3981, 396.5433

3.9719

445.5723,  
476.9923, 467.0046

■ 2.4233, 2.8101,  
1.6099

■ 0.8567, 1.0334,  
0.2979

■ 90.5509, 98.1158,  
89.0286

■ 90.5509, 98.1158,  
89.0286

■ 86.4894, 96.4059,  
71.4926

95.0500, 100.0000,  
108.9000

■ 82.9363, 94.9003,  
56.5952

■ 79.8681, 93.5896,  
44.2099

■ 77.2584, 92.4631,  
34.1980

■ 75.0783, 91.5094,  
26.4073

■ 73.2956, 90.7156,  
20.6683

■ 71.8733, 90.0668,  
16.7868

■ 70.7675, 89.5455,  
14.5316

■ 69.9080, 89.1236,  
13.5325

# Harmonies

## Analogous

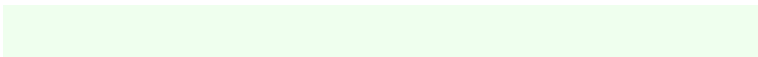
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.1922, 98.1158, 87.8117



90.5509, 98.1158, 89.0286



87.7054, 98.1158, 94.8573

# Triad

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



90.5509, 98.1158, 89.0286



88.9756, 98.1158, 123.8894



100.5163, 98.1158, 109.5257

# Complementary

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



90.5509, 98.1158, 89.0286



79.6263, 80.9707, 106.0399

# 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.



99.0362, 98.1158, 119.7731



90.5509, 98.1158, 89.0286



92.3263, 98.1158, 128.4165

# Square

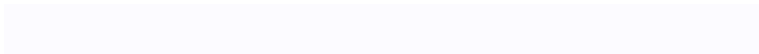
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.5509, 98.1158, 89.0286



86.8129, 98.1158, 114.8477



96.0147, 98.1158, 126.8622



100.0105, 98.1158, 99.1972

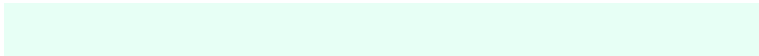


# Rectangle

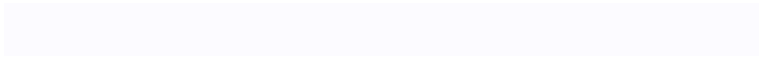
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.5509, 98.1158, 89.0286



86.6106, 98.1158, 100.7967



96.0147, 98.1158, 126.8622



100.2332, 98.1158, 113.1024

# Sweetspot

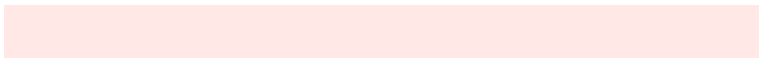
The Sweet Spot groups the original color and five complimentary colors.



90.5516, 98.1161, 89.0301



93.6179, 99.4012, 102.5313



84.2866, 84.5000, 86.7321



19.9579, 21.2424, 21.5909



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.



90.5516, 98.1161, 89.0301



89.6144, 97.7224, 84.9449



86.2623, 95.9049, 88.8293



19.4095, 21.0125, 19.1772



36.5801, 46.5958, 7.0659



3.6024, 4.5579, 0.6899



# Inverse Universe

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



79.6263, 80.9707, 106.0399



76.4436, 77.0526, 105.4514



83.7137, 83.0778, 106.2312



17.1376, 17.4471, 22.7143



9.6333, 3.8766, 49.6751



0.9821, 0.4002, 4.8388



# Previews

## White Background



This preview shows how the XYZ color 90.5509, 98.1158, 89.0286 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

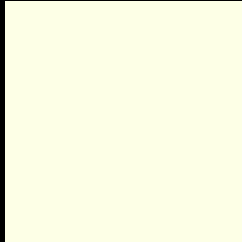
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.5509, 98.1158, 89.0286 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

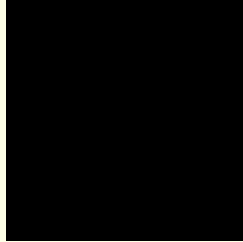
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 90.5509, 98.1158, 89.0286

## Background



This preview shows how black text looks on a background with the XYZ color 90.5509, 98.1158, 89.0286.



This preview shows how white text looks on a background with the XYZ color 90.5509, 98.1158,



# 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

90.5509, 98.1158, 89.0286



### Protanopia

93.3086, 98.2879, 102.8605

### Deuteranopia

93.6211, 97.9091, 106.0594

## **Tritanopia**

93.7335, 97.9116, 108.5663

# Trichromacy

**Original Color**

90.5509, 98.1158, 89.0286

**Protanomaly**

92.1920, 98.3053, 97.3349

**Deuteranomaly**

92.3275, 97.8530, 99.6093

**Tritanomaly**

92.6329, 97.9752, 101.2176

# Monochromacy

**Original Color**

90.5509, 98.1158, 89.0286

**Achromatopsia**

92.5260, 97.3445, 106.0082

**Achromatomaly**

91.5993, 97.4777, 99.5752

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.5509, 98.1158, 89.0286 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, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(253, 255, 230)  
}
```

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, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 255, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 90.5509, 98.1158, 89.0286 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, 255, 230) }
```



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

```
.border{ border-color:rgb(253, 255, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 255, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(253, 255,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.5509, 98.1158, 89.0286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 255, 230) }
```

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

```
.background{ background-color: rgb(253,  
255, 230) }
```

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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