

# Converting Colors

XYZ(95.5668, 100.0000,  
91.5998)

Have a look what the booklet for  
XYZ(95.5668, 100.0000, 91.5998)  
contains.

<b>XYZ(91.3898, 98.0268, 91.1951)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(91.3898, 98.0268,  
91.1951)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFFE09
RGB	255, 254, 233
RGB Percent	100%, 100%, 91%
CMY	0.0000, 0.0039, 0.0863
CMYK	0.00, 0.00, 0.09, 0.00
HSL	57°, 100%, 96%
HSV	57°, 9%, 100%
XYZ	91.3898, 98.0268, 91.1951
YIQ	251.9050, 7.3370, -6.3190

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	234, 255, 233
Decimal	16776937
CIELab	99.23, -3.19, 10.15
CIELCh	99, 10.640, 107.427
Yxy	98.0268, 0.3257, 0.3493
Android (android.graphics.Color)	4294967017 (0xFFFFFEE9)
YUV	251.9050, -9.3202, 2.7143
Hunter-Lab	99.0085, -8.5004, 14.6949

# Details

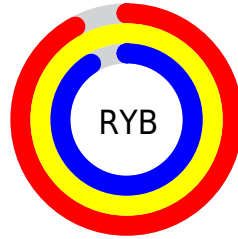
The XYZ color 91.3898, 98.0268, 91.1951 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 81.0765, 83.3872, 106.4299, and the grayscale version is 92.5208, 97.3391, 106.0023.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 51.1908, 55.1126, 49.5347 is the 20% darker color. If you saturate the color by 10%, you get 87.6432, 95.9481, 73.2543, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

# Distribution



- Red (100%)
- Green (100%)
- Blue (91%)



- Red (92%)
- Yellow (100%)
- Blue (91%)



- Cyan (0%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)



- Cyan (0%)
- Magenta (0%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 91.3898, 98.0268, 91.1951 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 91.3898, 98.0268, 91.1951 by changing the saturation by 10% instead.



91.3898, 98.0268,  
91.1951

91.3898, 98.0268,  
91.1951

520.7123,  
553.8102, 552.5809

69.4740, 74.6567,  
68.3930

148.1360,  
158.4397, 150.9473

51.3759, 55.3317,  
49.7488

183.6970,  
196.2513, 188.7345

36.7301, 39.6674,  
34.8441

224.5372,  
239.6456, 232.3538

25.1713, 27.2793,  
23.2602

271.0218,  
289.0069, 282.2238

16.3341, 17.7831,  
14.5787

323.5163,  
344.7196, 338.7629

9.8532, 10.7944,  
8.3809

382.3860,

5.3633, 5.9287,

407.1681, 402.3898

4.2484

447.9962,  
476.7369, 473.5230

■ 2.4989, 2.8018,  
1.7626

■ 0.8947, 1.0292,  
0.4031

■ 91.3898, 98.0268,  
91.1951

■ 91.3898, 98.0268,  
91.1951

■ 87.6432, 95.9481,  
73.2543

95.0500, 100.0000,  
108.9000

■ 84.4006, 94.0713,  
57.9662

■ 81.6401, 92.3909,  
45.2061

■ 79.3357, 90.8964,  
34.8367

■ 77.4588, 89.5765,  
26.7077

■ 75.9776, 88.4182,  
20.6518

■ 74.8558, 87.4073,  
16.4781

■ 74.0507, 86.5265,  
13.9609

■ 73.5010, 85.7513,  
12.7783

# Harmonies

## Analogous

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



94.4811, 98.0268, 90.8571



91.3898, 98.0268, 91.1951



88.8313, 98.0268, 95.5484

# Triad

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



91.3898, 98.0268, 91.1951



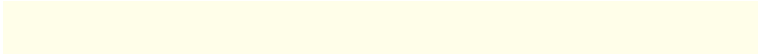
89.1791, 98.0268, 119.8673



99.1387, 98.0268, 110.5112

# Complementary

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



91.3898, 98.0268, 91.1951



81.0765, 83.3872, 106.4299

# Split Complementary

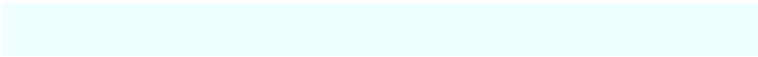
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.6508, 98.0268, 118.7613



91.3898, 98.0268, 91.1951



91.8741, 98.0268, 124.3616

# Square

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



91.3898, 98.0268, 91.1951



87.5746, 98.0268, 111.9530



94.9763, 98.0268, 123.9459



99.0019, 98.0268, 101.6808



# Rectangle

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



91.3898, 98.0268, 91.1951



87.7512, 98.0268, 100.2863



94.9763, 98.0268, 123.9459



98.8106, 98.0268, 113.4534

# Sweetspot

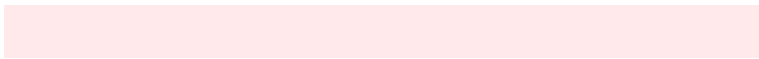
The Sweet Spot groups the original color and five complimentary colors.



91.3920, 98.0308, 91.1972



93.7324, 99.2967, 102.5051



85.2454, 85.4853, 89.9260



19.9890, 21.2141, 21.5838



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.



91.3920, 98.0308, 91.1972



90.8464, 97.7323, 88.5714



88.1596, 96.8339, 91.1365



19.4868, 20.9417, 19.1594



38.4019, 44.8150, 6.6262



3.7599, 4.4052, 0.6521



# Inverse Universe

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



81.0765, 83.3872, 106.4299



79.0015, 80.9176, 106.0626



84.1175, 84.5360, 106.4914



17.0688, 17.5092, 22.7299



9.5253, 3.9602, 49.6969



0.9496, 0.4298, 4.8462



# Previews

## White Background



This preview shows how the XYZ color 91.3898, 98.0268, 91.1951 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

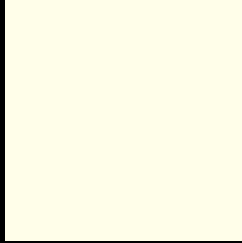
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 91.3898, 98.0268, 91.1951 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

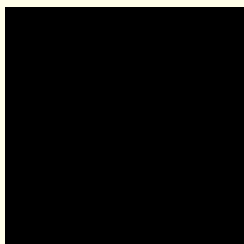
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 91.3898, 98.0268, 91.1951

## Background



This preview shows how black text looks on a background with the XYZ color 91.3898, 98.0268, 91.1951.



This preview shows how white text looks on a background with the XYZ color 91.3898, 98.0268,



# 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

91.3898, 98.0268, 91.1951



### Protanopia

93.3086, 98.2879, 102.8605

### Deuteranopia

93.6211, 97.9091, 106.0594

## **Tritanopia**

93.7335, 97.9116, 108.5663

# Trichromacy



**Original Color**

91.3898, 98.0268, 91.1951

**Protanomaly**

92.5429, 97.9816, 98.8288

**Deuteranomaly**

92.8467, 98.1031, 100.4285

**Tritanomaly**

92.7868, 98.0368, 102.0283

# Monochromacy



**Original Color**

91.3898, 98.0268, 91.1951



**Achromatopsia**

92.5260, 97.3445, 106.0082



**Achromatomaly**

92.1147, 97.7258, 100.3942

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 91.3898, 98.0268, 91.1951 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, 254, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 254, 233)  
}
```

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, 254, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 254, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 91.3898, 98.0268, 91.1951 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, 254, 233) }
```



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

```
.border{ border-color:rgb(255, 254, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 254, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 254, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 254, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 254,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 91.3898, 98.0268, 91.1951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 254, 233) }
```

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

```
.background{ background-color: rgb(255,  
254, 233) }
```

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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