

# Converting Colors

XYZ(97.2742, 100.0000,  
92.6655)

Have a look what the booklet for  
XYZ(97.2742, 100.0000, 92.6655)  
contains.

<b>XYZ(91.0458, 96.8790, 92.4981)</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(91.0458, 96.8790,  
92.4981)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFCEB
RGB	255, 252, 235
RGB Percent	100%, 99%, 92%
CMY	0.0000, 0.0117, 0.0784
CMYK	0.00, 0.01, 0.08, 0.00
HSL	51°, 100%, 96%
HSV	51°, 8%, 100%
XYZ	91.0458, 96.8790, 92.4981
YIQ	250.9590, 7.2450, -4.6510

# Conversions

## Conversions Part 2

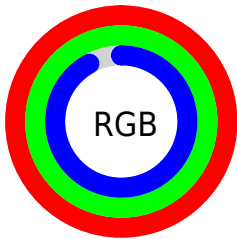
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	239, 255, 235
Decimal	16776427
CIE Lab	98.78, -1.86, 8.48
CIE LCh	99, 8.681, 102.374
Yxy	96.8790, 0.3247, 0.3455
Android (android.graphics.Color)	4294966507 (0xFFFFFCEB)
YUV	250.9590, -7.8678, 3.5440
Hunter-Lab	98.4271, -7.1337, 13.1805

# Details

The XYZ color 91.0458, 96.8790, 92.4981 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 82.8848, 86.0289, 106.8445, and the grayscale version is 91.7216, 96.4982, 105.0866.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.9405, 54.2907, 50.4421 is the 20% darker color. If you saturate the color by 10%, you get 86.4364, 93.1394, 74.0699, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

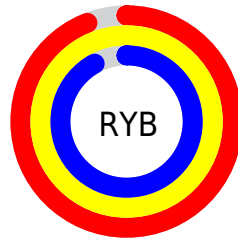
# Distribution



Red (100%)

Green (99%)

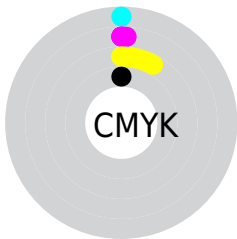
Blue (92%)



Red (94%)

Yellow (100%)

Blue (92%)

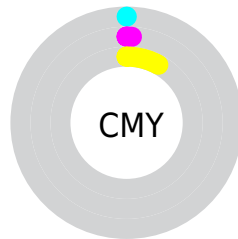


Cyan (0%)

Magenta (1%)

Yellow (8%)

Black (0%)



Cyan (0%)

Magenta (1%)


Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 91.0458, 96.8790, 92.4981 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 91.0458, 96.8790, 92.4981 by changing the saturation by 10% instead.




 91.0458, 96.8790,  
92.4981

 91.0458, 96.8790,  
92.4981


519.6143,  
550.1631, 556.9024

 69.1875, 73.6999,  
69.4691


147.6612,  
156.8580, 152.7692

 51.1416, 54.5484,  
50.6197


183.1490,  
194.4266, 190.8484

 36.5428, 39.0403,  
35.5314


223.9106,  
237.5605, 234.7814

 25.0258, 26.7911,  
23.7857

270.3115,  
286.6441, 284.9868

 16.2251, 17.4164,  
14.9640

322.7169,  
342.0617, 341.8830

 9.7754, 10.5318,  
8.6478

381.4923,

 5.3114, 5.7530,

404.1978, 405.8887

4.4185

447.0030,  
473.4368, 477.4223

■ 2.4678, 2.6954,  
1.8576

■ 0.8790, 0.9749,  
0.4656

■ 91.0458, 96.8790,  
92.4981

■ 91.0458, 96.8790,  
92.4981

■ 86.4364, 93.1394,  
74.0699

95.0500, 100.0000,  
108.9000

■ 82.3545, 89.6459,  
58.3112

■ 78.7783, 86.3929,  
45.0981

■ 75.6818, 83.3696,  
34.2940

■ 73.0364, 80.5643,  
25.7498

■ 70.8106, 77.9643,  
19.2995

■ 68.9684, 75.5549,  
14.7546

■ 67.4674, 73.3190,  
11.8925

■ 66.2509, 71.2335,  
10.4156

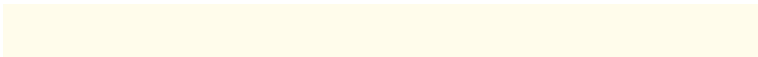
# Harmonies

## Analogous

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



93.5561, 96.8790, 92.8001



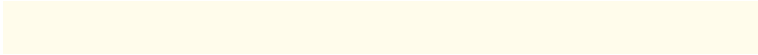
91.0458, 96.8790, 92.4981



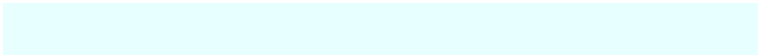
88.8523, 96.8790, 95.5581

# Triad

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



91.0458, 96.8790, 92.4981



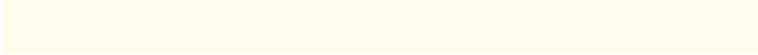
88.5459, 96.8790, 115.1199



96.7778, 96.8790, 109.7443

# Complementary

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



91.0458, 96.8790, 92.4981



82.8848, 86.0289, 106.8445

# Split Complementary

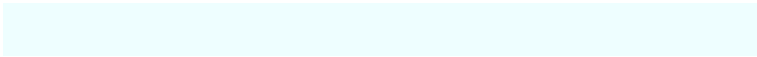
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.3862, 96.8790, 116.0761



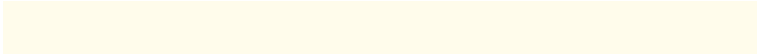
91.0458, 96.8790, 92.4981



90.6206, 96.8790, 119.2757

# Square

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



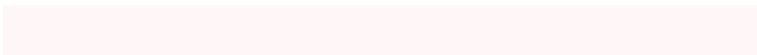
91.0458, 96.8790, 92.4981



87.4267, 96.8790, 108.4875



93.1232, 96.8790, 119.6334

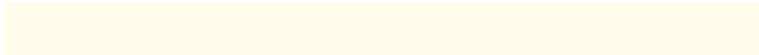


96.8967, 96.8790, 102.5379



# Rectangle

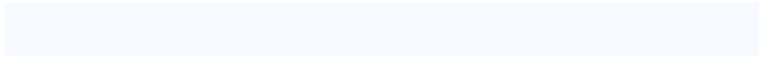
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.0458, 96.8790, 92.4981



87.8525, 96.8790, 99.1778



93.1232, 96.8790, 119.6334



96.4422, 96.8790, 112.0536

# Sweetspot

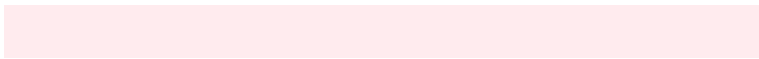
The Sweet Spot groups the original color and five complimentary colors.



91.0480, 96.8830, 92.5002



93.9966, 99.1897, 104.5517



86.3817, 86.8508, 93.1012



20.1302, 21.2392, 22.4239



0.0000, 0.0000, 0.0000

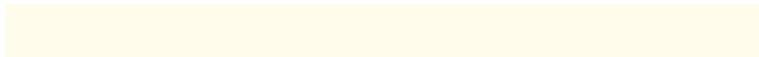


20.3446, 21.4041, 23.3091



# Same Dimension

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



91.0480, 96.8830, 92.5002



90.4863, 96.4365, 90.2261



89.4673, 97.4748, 92.6977



19.3159, 20.6000, 19.1025



34.5786, 37.1684, 5.3517



3.4269, 3.7392, 0.5411



# Inverse Universe

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



82.8848, 86.0289, 106.8445



81.1925, 84.0793, 106.5574



84.3772, 85.5151, 106.6667



17.2224, 17.8165, 22.7812



9.8619, 4.6333, 49.8091



1.0219, 0.5745, 4.8703



# Previews

## White Background



This preview shows how the XYZ color 91.0458, 96.8790, 92.4981 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

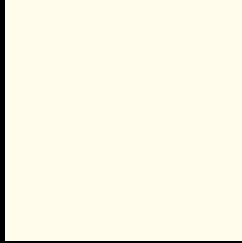
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 91.0458, 96.8790, 92.4981 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

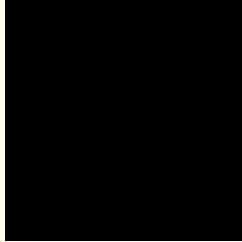
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 91.0458, 96.8790, 92.4981

## Background



This preview shows how black text looks on a background with the XYZ color 91.0458, 96.8790, 92.4981.



This preview shows how white text looks on a background with the XYZ color 91.0458, 96.8790,



# 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

A vertical bar on the left side of the page is divided into three colored sections: a top yellow section, a middle light orange section, and a bottom white section. To the right of these sections are three text blocks, each corresponding to a color vision deficiency type. Each block contains a bold title and a list of three numerical values in blue text.

### Original Color

91.0458, 96.8790, 92.4981

### Protanopia

92.2186, 96.8469, 100.2191

### Deuteranopia

92.9925, 97.1565, 104.2943

## **Tritanopia**

93.0552, 97.0970, 108.4448

# Trichromacy

**Original Color**

91.0458, 96.8790, 92.4981

**Protanomaly**

91.6144, 96.6052, 97.0372

**Deuteranomaly**

92.2186, 96.8469, 100.2191

**Tritanomaly**

92.3135, 96.8425, 102.6340

# Monochromacy

**Original Color**

91.0458, 96.8790, 92.4981

**Achromatopsia**

91.6934, 96.4686, 105.0543

**Achromatomaly**

91.1235, 96.2824, 100.1678

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 91.0458, 96.8790, 92.4981 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, 252, 235) looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 235)  
}
```

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, 252, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 91.0458, 96.8790, 92.4981 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, 252, 235) }
```



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

```
.border{ border-color:rgb(255, 252, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 252, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 91.0458, 96.8790, 92.4981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 252, 235) }
```

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

```
.background{ background-color: rgb(255,  
252, 235) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor