

# Converting Colors

XYZ(98.4089, 100.0000,  
100.1720)

Have a look what the booklet for  
XYZ(98.4089, 100.0000, 100.1720)  
contains.

<b>XYZ(92.2186, 96.8469, 100.2191)</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(92.2186, 96.8469,  
100.2191)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFBF5
RGB	255, 251, 245
RGB Percent	100%, 98%, 96%
CMY	0.0000, 0.0157, 0.0392
CMYK	0.00, 0.02, 0.04, 0.00
HSL	36°, 100%, 98%
HSV	36°, 4%, 100%
XYZ	92.2186, 96.8469, 100.2191
YIQ	251.5120, 4.3100, -1.0180

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	252, 255, 245
Decimal	16776181
CIE <sub>Lab</sub>	98.77, 0.30, 3.33
CIE <sub>LCh</sub>	99, 3.341, 84.819
Yxy	96.8469, 0.3188, 0.3348
Android (android.graphics.Color)	4294966261 (0xFFFFBF5)
YUV	251.5120, -3.2104, 3.0590
Hunter-Lab	98.4108, -4.9505, 8.5081

# Details

The XYZ color 92.2186, 96.8469, 100.2191 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.5812, 94.3815, 108.1038, and the grayscale version is 92.1456, 96.9443, 105.5724.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 51.9891, 54.7101, 55.9641 is the 20% darker color. If you saturate the color by 10%, you get 85.4943, 89.2048, 80.0769, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

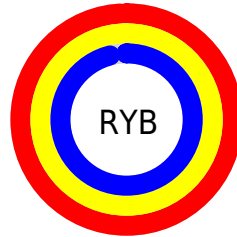
# Distribution



Red (100%)

Green (98%)

Blue (96%)



Red (99%)

Yellow (100%)

Blue (96%)



Cyan (0%)

Magenta (2%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (2%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 92.2186, 96.8469, 100.2191 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 92.2186, 96.8469, 100.2191 by changing the saturation by 10% instead.



92.2186, 96.8469,  
100.2191

92.2186, 96.8469,  
100.2191

523.3527,  
550.0609, 582.1476

70.1645, 73.6731,  
75.8656

149.2791,  
156.8137, 163.5127

51.9408, 54.5265,  
55.8163

185.0162,  
194.3755, 203.2900

37.1819, 39.0228,  
39.6527

226.0451,  
237.5021, 249.0456

25.5227, 26.7774,  
26.9561

272.7310,  
286.5779, 301.1981

16.5977, 17.4061,  
17.3081

325.4394,  
341.9873, 360.1660

10.0416, 10.5245,  
10.2901

384.5356,

5.4890, 5.7481,

404.1147, 426.3678

5.4836

450.3849,  
473.3444, 500.2222

■ 2.5746, 2.6925,  
2.4701

■ 0.9330, 0.9734,  
0.8242

■ 92.2186, 96.8469,  
100.2191

■ 92.2186, 96.8469,  
100.2191

■ 85.4943, 89.2048,  
80.0769

95.0500, 100.0000,  
108.9000

■ 79.4512, 82.1018,  
62.6997

■ 74.0654, 75.5271,  
47.9659

■ 69.3090, 69.4651,  
35.7424

■ 65.1519, 63.8990,  
25.8846

■ 61.5609, 58.8109,  
18.2327

■ 58.4992, 54.1812,  
12.6069

■ 55.9242, 49.9879,  
8.7991

■ 53.7845, 46.2052,  
6.5547

# Harmonies

## Analogous

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



93.1289, 96.8469, 101.1440



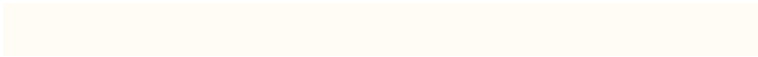
92.2186, 96.8469, 100.2191



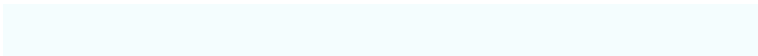
91.2694, 96.8469, 100.6756

# Triad

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



92.2186, 96.8469, 100.2191



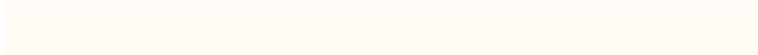
90.3676, 96.8469, 107.7078



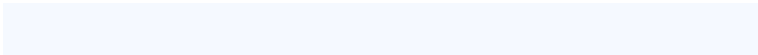
93.5829, 96.8469, 108.5574

# Complementary

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



92.2186, 96.8469, 100.2191



89.5812, 94.3815, 108.1038

# 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.



92.8352, 96.8469, 110.3726



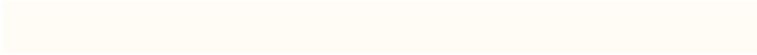
92.2186, 96.8469, 100.2191



90.9797, 96.8469, 109.8761

# Square

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



92.2186, 96.8469, 100.2191



90.2051, 96.8469, 104.9682



91.8818, 96.8469, 110.8594

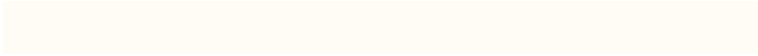


93.9201, 96.8469, 105.9329

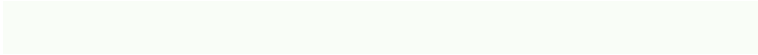


# Rectangle

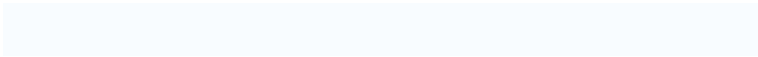
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



92.2186, 96.8469, 100.2191



90.7417, 96.8469, 101.7061



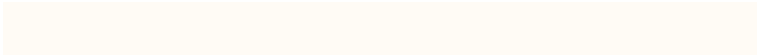
91.8818, 96.8469, 110.8594



93.3710, 96.8469, 109.2843

# Sweetspot

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



92.2208, 96.8508, 100.2212



94.3180, 99.1886, 106.6440



90.9920, 93.4055, 102.8567



20.1957, 21.2390, 22.8500



0.0000, 0.0000, 0.0000

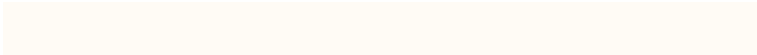


20.3446, 21.4041, 23.3091

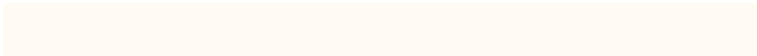


# Same Dimension

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



92.2208, 96.8508, 100.2212



91.4612, 95.9991, 97.9106



93.1148, 99.1835, 100.6243



19.4716, 20.4298, 20.6387



27.6626, 23.3365, 3.0464



2.8004, 2.4861, 0.3323



# Inverse Universe


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



89.5812, 94.3815, 108.1038



88.1196, 92.8732, 107.8897



88.7096, 92.1190, 107.7130



18.6597, 19.6703, 23.0632



12.0435, 8.9965, 50.5363

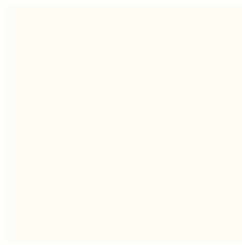


1.2760, 1.0827, 4.9550



# Previews

## White Background



This preview shows how the XYZ color 92.2186, 96.8469, 100.2191 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

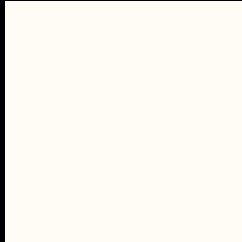
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 92.2186, 96.8469, 100.2191 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 92.2186, 96.8469, 100.2191

## Background



This preview shows how black text looks on a background with the XYZ color 92.2186, 96.8469, 100.2191.



This preview shows how white text looks on a background with the XYZ color 92.2186, 96.8469,



# 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

92.2186, 96.8469, 100.2191

### Protanopia

92.5257, 96.9698, 101.8361

### Deuteranopia

92.8382, 96.5962, 105.0186

## **Tritanopia**

93.0552, 97.0970, 108.4448

# Trichromacy

## Original Color

92.2186, 96.8469, 100.2191

## Protanomaly

92.3717, 96.9082, 101.0254

## Deuteranomaly

92.5245, 96.4708, 103.3667

## Tritanomaly

92.7828, 97.0302, 105.1053

# Monochromacy

## Original Color

92.2186, 96.8469, 100.2191

## Achromatopsia

92.5260, 97.3445, 106.0082

## Achromatomaly

92.4173, 97.3430, 103.5407

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 92.2186, 96.8469, 100.2191 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, 251, 245) looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 245)  
}
```

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, 251, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 92.2186, 96.8469, 100.2191 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, 251, 245) }
```



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

```
.border{ border-color:rgb(255, 251, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 251, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 245);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 92.2186, 96.8469, 100.2191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 245) }
```

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

```
.background{ background-color: rgb(255,  
251, 245) }
```

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