

# Converting Colors

XYZ(98.7650, 100.0000,  
98.1180)

Have a look what the booklet for  
XYZ(98.7650, 100.0000, 98.1180)  
contains.

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# Color

**XYZ(91.4526, 96.0420,  
97.7223)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFAF2
RGB	255, 250, 242
RGB Percent	100%, 98%, 95%
CMY	0.0000, 0.0196, 0.0510
CMYK	0.00, 0.02, 0.05, 0.00
HSL	37°, 100%, 97%
HSV	37°, 5%, 100%
XYZ	91.4526, 96.0420, 97.7223
YIQ	250.5830, 5.5480, -1.4280

# Conversions

## Conversions Part 2

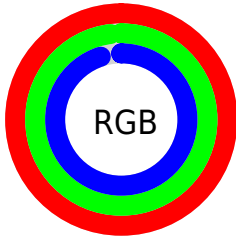
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	250, 255, 242
Decimal	16775922
CIE Lab	98.45, 0.30, 4.41
CIE LCh	98, 4.417, 86.084
Yxy	96.0420, 0.3206, 0.3367
Android (android.graphics.Color)	4294966002 (0xFFFFFAF2)
YUV	250.5830, -4.2314, 3.8737
Hunter-Lab	98.0010, -4.9291, 9.4793

# Details

The XYZ color 91.4526, 96.0420, 97.7223 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 87.9280, 92.6165, 107.8502, and the grayscale version is 91.3814, 96.1403, 104.6968.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 51.4434, 54.1345, 54.1920 is the 20% darker color. If you saturate the color by 10%, you get 84.9213, 88.6872, 77.9489, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

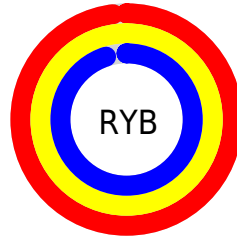
# Distribution



Red (100%)

Green (98%)

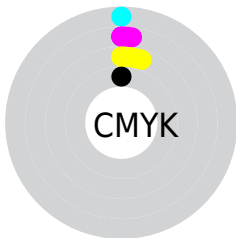
Blue (95%)



Red (98%)

Yellow (100%)

Blue (95%)

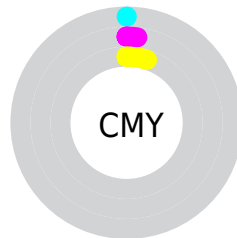


Cyan (0%)

Magenta (2%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (2%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 91.4526, 96.0420, 97.7223 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 91.4526, 96.0420, 97.7223 by changing the saturation by 10% instead.



91.4526, 96.0420,  
97.7223

91.4526, 96.0420,  
97.7223

520.9126,  
547.4955, 574.0494

69.5263, 73.0025,  
73.7935

148.2226,  
155.7034, 160.0480

51.4186, 53.9780,  
54.1292

183.7970,  
193.0941, 199.2820

36.7643, 38.5841,  
38.3111

224.6515,  
236.0373, 244.4548

25.1979, 26.4363,  
25.9205

271.1514,  
284.9175, 295.9849

16.3541, 17.1504,  
16.5390

323.6622,  
340.1190, 354.2908

9.8675, 10.3417,  
9.7479

382.5490,

5.3728, 5.6261,

402.0263, 419.7912

5.1287

448.1774,  
471.0236, 492.9045

■ 2.5046, 2.6191,  
2.2629

■ 0.8976, 0.9363,  
0.7103

■ 91.4526, 96.0420,  
97.7223

■ 91.4526, 96.0420,  
97.7223

■ 84.9213, 88.6872,  
77.9489

95.0500, 100.0000,  
108.9000

■ 79.0558, 81.8448,  
60.9222

■ 73.8322, 75.5047,  
46.5197

■ 69.2228, 69.6515,  
34.6073

■ 65.1974, 64.2693,  
25.0387

■ 61.7228, 59.3405,  
17.6523

■ 58.7620, 54.8460,  
12.2657

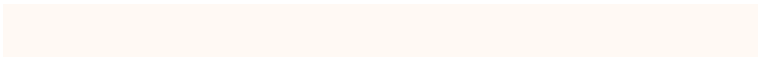
■ 56.2720, 50.7641,  
8.6665

■ 54.2003, 47.0694,  
6.5928

# Harmonies

## Analogous

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



92.6601, 96.0420, 98.8531



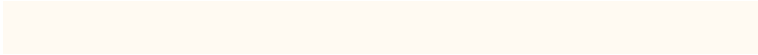
91.4526, 96.0420, 97.7223



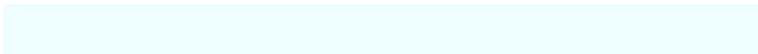
90.2111, 96.0420, 98.3918

# Triad

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



91.4526, 96.0420, 97.7223



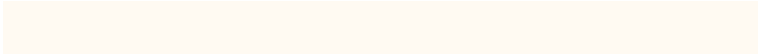
89.1003, 96.0420, 107.6918



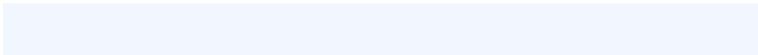
93.3351, 96.0420, 108.5411

# Complementary

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



91.4526, 96.0420, 97.7223



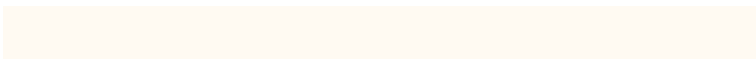
87.9280, 92.6165, 107.8502

# Split Complementary

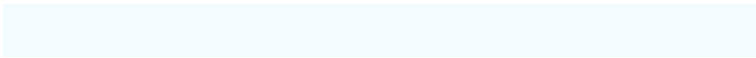
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.3675, 96.0420, 111.0086



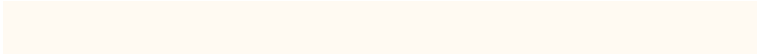
91.4526, 96.0420, 97.7223



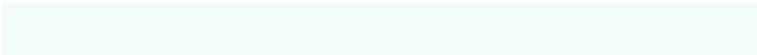
89.9236, 96.0420, 110.5103

# Square

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



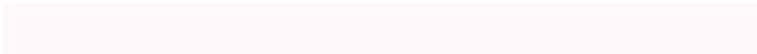
91.4526, 96.0420, 97.7223



88.8604, 96.0420, 104.0946



91.1177, 96.0420, 111.7375

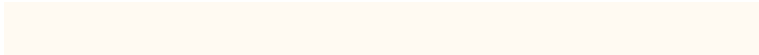


93.7534, 96.0420, 105.0537



# Rectangle

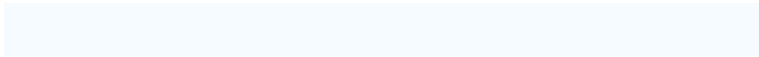
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.4526, 96.0420, 97.7223



89.5300, 96.0420, 99.7776



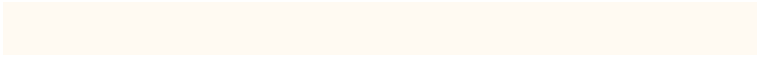
91.1177, 96.0420, 111.7375



93.0629, 96.0420, 109.5205

# Sweetspot

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



91.4548, 96.0459, 97.7244



93.6177, 98.4320, 104.4254



89.8122, 91.4932, 101.0848



20.0531, 21.0850, 22.3982



0.0000, 0.0000, 0.0000

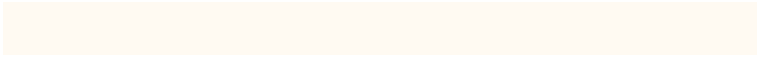


20.3446, 21.4041, 23.3091



# Same Dimension

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



91.4548, 96.0459, 97.7244



90.8370, 95.3601, 95.8233



92.5507, 98.9452, 98.2262



19.3479, 20.3053, 20.2188



28.0004, 24.0120, 3.1590

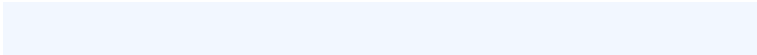


2.8321, 2.5496, 0.3429

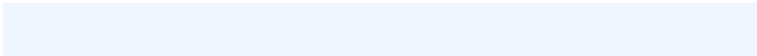


# Inverse Universe

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



87.9280, 92.6165, 107.8502



86.7110, 91.3481, 107.6695



86.8690, 89.8337, 107.3689



18.3730, 19.3574, 23.0179



11.8456, 8.6008, 50.4704



1.2552, 1.0411, 4.9481



# Previews

## White Background



This preview shows how the XYZ color 91.4526, 96.0420, 97.7223 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

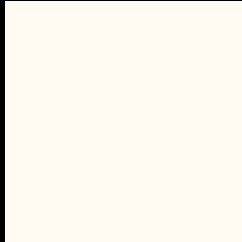
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 91.4526, 96.0420, 97.7223 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 91.4526, 96.0420, 97.7223**

## **Background**



This preview shows how black text looks on a background with the XYZ color 91.4526, 96.0420, 97.7223.



This preview shows how white text looks on a background with the XYZ color 91.4526, 96.0420,



# 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

91.4526, 96.0420, 97.7223

### Protanopia

91.7547, 96.1629, 99.3132

### Deuteranopia

92.2146, 95.8509, 103.2634

## **Tritanopia**

92.4337, 95.8540, 108.2376

# Trichromacy



**Original Color**

91.4526, 96.0420, 97.7223

**Protanomaly**

91.6033, 96.1023, 98.5156

**Deuteranomaly**

91.7502, 95.6652, 100.8182

**Tritanomaly**

92.0041, 95.7243, 104.0700

# Monochromacy



**Original Color**

91.4526, 96.0420, 97.7223

**Achromatopsia**

91.6934, 96.4686, 105.0543

**Achromatomaly**

91.5853, 96.4671, 102.5999

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 91.4526, 96.0420, 97.7223 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, 250, 242) looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 242)  
}
```

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, 250, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 91.4526, 96.0420, 97.7223 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, 250, 242) }
```



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

```
.border{ border-color:rgb(255, 250, 242) }
```

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

Here you see how a box with a 4 pixel rgb(255, 250, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 91.4526, 96.0420, 97.7223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 250, 242) }
```

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

```
.background{ background-color: rgb(255,  
250, 242) }
```

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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