

# Converting Colors

XYZ(91.3320, 96.9509, 94.1366)

Have a look what the booklet for  
XYZ(91.3320, 96.9509, 94.1366)  
contains.

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# Color

**XYZ(91.3365, 96.9952,  
94.0288)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFCED
RGB	255, 252, 237
RGB Percent	100%, 99%, 93%
CMY	0.0000, 0.0117, 0.0706
CMYK	0.00, 0.01, 0.07, 0.00
HSL	50°, 100%, 96%
HSV	50°, 7%, 100%
XYZ	91.3365, 96.9952, 94.0288
YIQ	251.1870, 6.6030, -4.0290

# Conversions

## Conversions Part 2

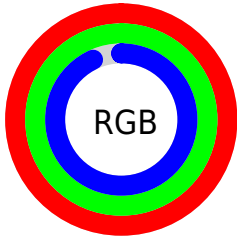
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	241, 255, 237
Decimal	16776429
CIE Lab	98.83, -1.53, 7.52
CIE LCh	99, 7.674, 101.530
Yxy	96.9952, 0.3235, 0.3435
Android (android.graphics.Color)	4294966509 (0xFFFFFCED)
YUV	251.1870, -6.9942, 3.3440
Hunter-Lab	98.4861, -6.8090, 12.3337

# Details

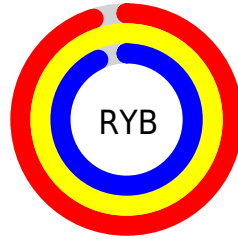
The XYZ color 91.3365, 96.9952, 94.0288 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 84.1345, 87.5426, 107.0708, and the grayscale version is 91.9043, 96.6905, 105.2959.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 51.1443, 54.3722, 51.5153 is the 20% darker color. If you saturate the color by 10%, you get 86.5559, 92.9783, 75.3430, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

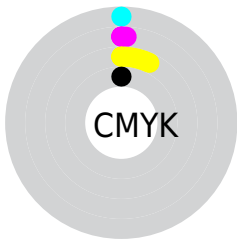
# Distribution



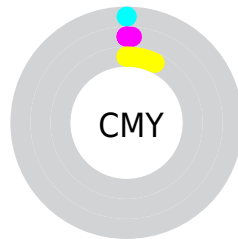
- Red (100%)
- Green (99%)
- Blue (93%)



- Red (95%)
- Yellow (100%)
- Blue (93%)



- Cyan (0%)
- Magenta (1%)
- Yellow (7%)
- Black (0%)



- Cyan (0%)
- Magenta (1%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 91.3365, 96.9952, 94.0288 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 91.3365, 96.9952, 94.0288 by changing the saturation by 10% instead.



91.3365, 96.9952,  
94.0288

91.3365, 96.9952,  
94.0288

520.5422,  
550.5329, 561.9558

69.4296, 73.7967,  
70.7345

148.0624,  
157.0182, 154.9062

51.3396, 54.6277,  
51.6451

183.6121,  
194.6115, 193.3263

36.7011, 39.1037,  
36.3419

224.4401,  
237.7718, 237.6255

25.1487, 26.8404,  
24.4066

270.9118,  
286.8835, 288.2223

16.3172, 17.4534,  
15.4205

323.3925,  
342.3311, 345.5351

9.8412, 10.5583,  
8.9652

382.2476,

5.3552, 5.7707,

404.4990, 409.9827

4.6220

447.8423,  
473.7714, 481.9834

■ 2.4940, 2.7061,  
1.9724

■ 0.8923, 0.9803,  
0.5382

■ 91.3365, 96.9952,  
94.0288

■ 91.3365, 96.9952,  
94.0288

■ 86.5559, 92.9783,  
75.3430

95.0500, 100.0000,  
108.9000

■ 82.3103, 89.2195,  
59.3383

■ 78.5779, 85.7130,  
45.8912

■ 75.3327, 82.4481,  
34.8660

■ 72.5465, 79.4131,  
26.1147

■ 70.1878, 76.5951,  
19.4729

■ 68.2211, 73.9796,  
14.7541

■ 66.6044, 71.5496,  
11.7390

■ 65.2845, 69.2833,  
10.1476

# Harmonies

## Analogous

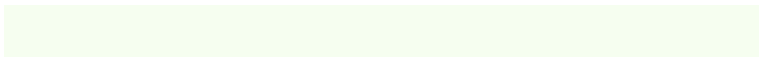
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.5563, 96.9952, 94.3853



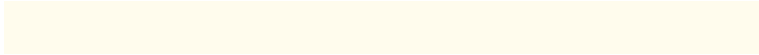
91.3365, 96.9952, 94.0288



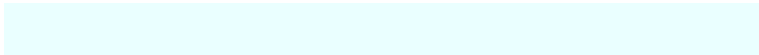
89.3769, 96.9952, 96.6814

# Triad

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



91.3365, 96.9952, 94.0288



89.0178, 96.9952, 113.9652



96.3186, 96.9952, 109.5501

# Complementary

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



91.3365, 96.9952, 94.0288



84.1345, 87.5426, 107.0708

# Split Complementary

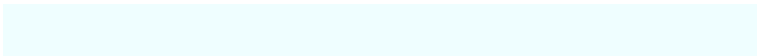
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.0636, 96.9952, 115.0747



91.3365, 96.9952, 94.0288



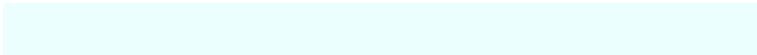
90.8391, 96.9952, 117.6938

# Square

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



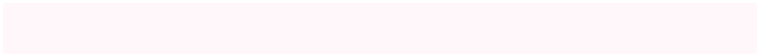
91.3365, 96.9952, 94.0288



88.0527, 96.9952, 108.0853



93.0509, 96.9952, 118.1079

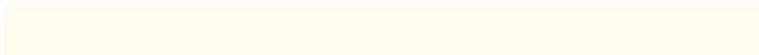


96.4570, 96.9952, 103.1754

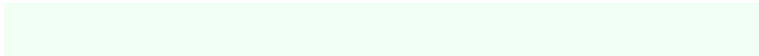


# Rectangle

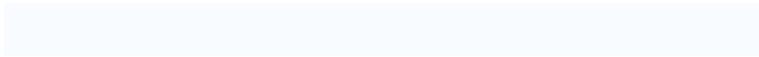
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.3365, 96.9952, 94.0288



88.4724, 96.9952, 99.8642



93.0509, 96.9952, 118.1079



96.0124, 96.9952, 111.5747

# Sweetspot

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



91.3386, 96.9992, 94.0309



93.9696, 99.1358, 104.5427



87.2531, 88.1208, 94.8496



20.1247, 21.2282, 22.4221



0.0000, 0.0000, 0.0000

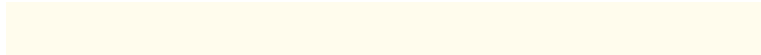


20.3446, 21.4041, 23.3091

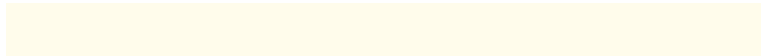


# Same Dimension

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



91.3386, 96.9992, 94.0309



90.8646, 96.6090, 92.1529



90.1135, 97.7744, 94.2451



19.2889, 20.5460, 19.0935



34.0221, 36.0553, 5.1662



3.3779, 3.6411, 0.5248



# Inverse Universe

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



84.1345, 87.5426, 107.0708



82.7517, 85.9594, 106.8381



85.2973, 86.8444, 106.8747



17.2471, 17.8658, 22.7894



9.9430, 4.7956, 49.8362



1.0335, 0.5977, 4.8742



# Previews

## White Background



This preview shows how the XYZ color 91.3365, 96.9952, 94.0288 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

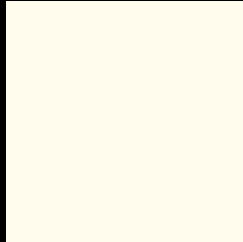
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 91.3365, 96.9952, 94.0288 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

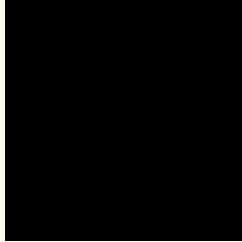
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 91.3365, 96.9952, 94.0288**

## **Background**



This preview shows how black text looks on a background with the XYZ color 91.3365, 96.9952, 94.0288.



This preview shows how white text looks on a background with the XYZ color 91.3365, 96.9952,



# 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 light yellow section. To the right of these sections are three text blocks, each corresponding to a color vision deficiency type.

### Original Color

91.3365, 96.9952, 94.0288

### Protanopia

92.2186, 96.8469, 100.2191

### Deuteranopia

92.9925, 97.1565, 104.2943

## **Tritanopia**

93.0552, 97.0970, 108.4448

# Trichromacy

## Original Color

91.3365, 96.9952, 94.0288

## Protanomaly

91.7642, 96.6652, 97.8262

## Deuteranomaly

92.2186, 96.8469, 100.2191

## Tritanomaly

92.3135, 96.8425, 102.6340

# Monochromacy

## Original Color

91.3365, 96.9952, 94.0288

## Achromatopsia

91.6934, 96.4686, 105.0543

## Achromatomaly

91.2766, 96.3436, 100.9742

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 91.3365, 96.9952, 94.0288 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, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 237)  
}
```

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, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 91.3365, 96.9952, 94.0288 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, 237) }
```



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

```
.border{ border-color:rgb(255, 252, 237) }
```

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, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 91.3365, 96.9952, 94.0288 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, 237) }
```

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

```
.background{ background-color: rgb(255,  
252, 237) }
```

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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