

# Converting Colors

XYZ(98.4381, 100.0000,  
92.7629)

Have a look what the booklet for  
XYZ(98.4381, 100.0000, 92.7629)  
contains.

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# Color

**XYZ(90.7326, 96.2525,  
92.3937)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFBE8
RGB	255, 251, 235
RGB Percent	100%, 98%, 92%
CMY	0.0000, 0.0157, 0.0784
CMYK	0.00, 0.02, 0.08, 0.00
HSL	48°, 100%, 96%
HSV	48°, 8%, 100%
XYZ	90.7326, 96.2525, 92.3937
YIQ	250.3720, 7.5200, -4.1280

# Conversions

## Conversions Part 2

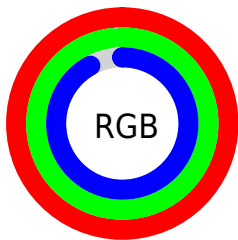
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	240, 255, 235
Decimal	16776171
CIE Lab	98.53, -1.36, 8.12
CIE LCh	99, 8.236, 99.486
Yxy	96.2525, 0.3248, 0.3445
Android (android.graphics.Color)	4294966251 (0xFFFFFBEB)
YUV	250.3720, -7.5784, 4.0588
Hunter-Lab	98.1084, -6.6092, 12.8394

# Details

The XYZ color 90.7326, 96.2525, 92.3937 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 83.1768, 86.6130, 106.9418, and the grayscale version is 91.2323, 95.9834, 104.5260.

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 85.7403, 91.7472, 73.8378, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

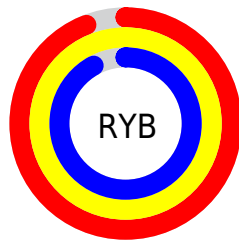
# Distribution



Red (100%)

Green (98%)

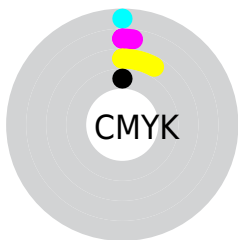
Blue (92%)



Red (94%)

Yellow (100%)

Blue (92%)

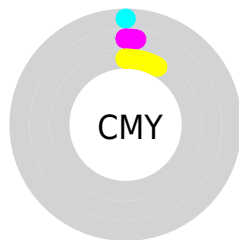


Cyan (0%)

Magenta (2%)

Yellow (8%)

Black (0%)



Cyan (0%)

Magenta (2%)

Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.7326, 96.2525, 92.3937 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 90.7326, 96.2525, 92.3937 by changing the saturation by 10% instead.



90.7326, 96.2525,  
92.3937

90.7326, 96.2525,  
92.3937

518.6135,  
548.1670, 556.5568

68.9267, 73.1779,  
69.3828

147.2288,  
155.9938, 152.6234

50.9284, 54.1214,  
50.5498

182.6498,  
193.4294, 190.6792

36.3725, 38.6987,  
35.4762

223.3398,  
236.4206, 234.5872

24.8934, 26.5254,  
23.7435

269.6643,  
285.3520, 284.7657

16.1260, 17.2171,  
14.9330

321.9885,  
340.6080, 341.6334

9.7048, 10.3894,  
8.6263

380.6779,

5.2644, 5.6579,

402.5729, 405.6088

4.4048

446.0978,  
471.6311, 477.1104

■ 2.4396, 2.6382,  
1.8499

■ 0.8649, 0.9459,  
0.4606

■ 90.7326, 96.2525,  
92.3937

■ 90.7326, 96.2525,  
92.3937

■ 85.7403, 91.7472,  
73.8378

95.0500, 100.0000,  
108.9000

■ 81.2942, 87.5253,  
57.9578

■ 77.3721, 83.5804,  
44.6294

■ 73.9477, 79.9015,  
33.7160

■ 70.9925, 76.4765,  
25.0685

■ 68.4745, 73.2922,  
18.5208

■ 66.3577, 70.3336,  
13.8844

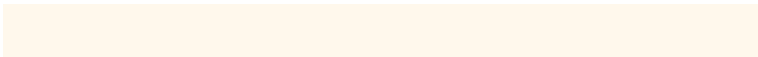
■ 64.5994, 67.5830,  
10.9365

■ 63.1426, 65.0171,  
9.3796

# Harmonies

## Analogous

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



93.0991, 96.2525, 92.9947



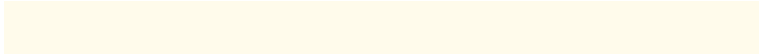
90.7326, 96.2525, 92.3937



88.6044, 96.2525, 95.0045

# Triad

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



90.7326, 96.2525, 92.3937



87.9967, 96.2525, 113.3641



95.8408, 96.2525, 109.4654

# Complementary

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



90.7326, 96.2525, 92.3937



83.1768, 86.6130, 106.9418

# Split Complementary

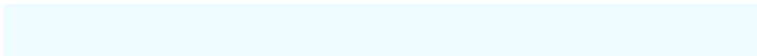
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.4276, 96.2525, 115.2522



90.7326, 96.2525, 92.3937



89.8899, 96.2525, 117.5700

# Square

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



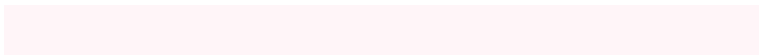
90.7326, 96.2525, 92.3937



87.0430, 96.2525, 106.9786



92.2418, 96.2525, 118.2756



96.0759, 96.2525, 102.6564



# Rectangle

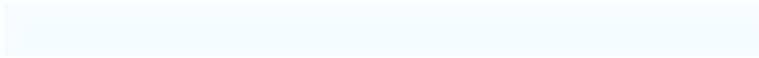
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.7326, 96.2525, 92.3937



87.5970, 96.2525, 98.2845



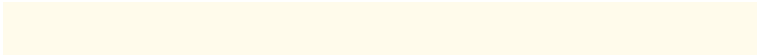
92.2418, 96.2525, 118.2756



95.4866, 96.2525, 111.6027

# Sweetspot

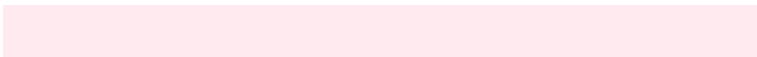
The Sweet Spot groups the original color and five complimentary colors.



90.7347, 96.2564, 92.3958



93.9156, 99.0277, 104.5247



86.5291, 86.9098, 93.8772



20.1137, 21.2063, 22.4184



0.0000, 0.0000, 0.0000

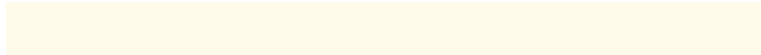


20.3446, 21.4041, 23.3091



# Same Dimension

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



90.7347, 96.2564, 92.3958



90.1278, 95.7195, 90.1066



89.8228, 97.6581, 92.7144



19.2349, 20.4381, 19.0755



32.9490, 33.9093, 4.8085



3.2828, 3.4509, 0.4931



# Inverse Universe

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



83.1768, 86.6130, 106.9418



81.5231, 84.7405, 106.6676



84.0349, 85.3387, 106.6506



17.2967, 17.9650, 22.8059



10.1309, 5.1713, 49.8988

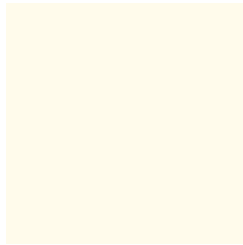


1.0588, 0.6484, 4.8826



# Previews

## White Background



This preview shows how the XYZ color 90.7326, 96.2525, 92.3937 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

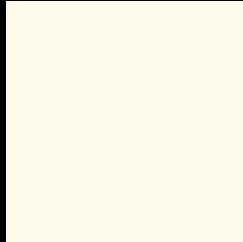
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.7326, 96.2525, 92.3937 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

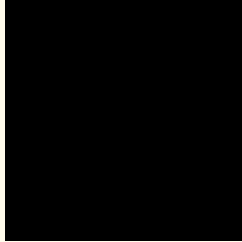
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 90.7326, 96.2525, 92.3937**

## **Background**



This preview shows how black text looks on a background with the XYZ color 90.7326, 96.2525, 92.3937.



This preview shows how white text looks on a background with the XYZ color 90.7326, 96.2525,



# 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

90.7326, 96.2525, 92.3937

### Protanopia

91.6033, 96.1023, 98.5156

### Deuteranopia

92.5245, 96.4708, 103.3667

## Tritanopia

92.7436, 96.4739, 108.3409

# Trichromacy



**Original Color**

90.7326, 96.2525, 92.3937

**Protanomaly**

91.1538, 95.9225, 96.1486

**Deuteranomaly**

91.7547, 96.1629, 99.3132

**Tritanomaly**

92.0019, 96.2194, 102.5301

# Monochromacy



**Original Color**

90.7326, 96.2525, 92.3937



**Achromatopsia**

90.8653, 95.5973, 104.1055

**Achromatomaly**

90.8119, 95.6592, 100.0640

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.7326, 96.2525, 92.3937 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, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 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, 251, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 90.7326, 96.2525, 92.3937 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, 235) }
```



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

```
.border{ border-color:rgb(255, 251, 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, 251, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.7326, 96.2525, 92.3937 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, 235) }
```

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

```
.background{ background-color: rgb(255,  
251, 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](#).

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