

# Converting Colors

XYZ(98.9945, 100.0000,  
143.4797)

Have a look what the booklet for  
XYZ(98.9945, 100.0000, 143.4797)  
contains.

<b>XYZ(92.2847, 97.1648, 108.4985)</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(92.2847, 97.1648,  
108.4985)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAFCFF
RGB	250, 252, 255
RGB Percent	98%, 99%, 100%
CMY	0.0196, 0.0117, 0.0000
CMYK	0.02, 0.01, 0.00, 0.00
HSL	216°, 100%, 99%
HSV	216°, 2%, 100%
XYZ	92.2847, 97.1648, 108.4985
YIQ	251.7440, -2.1550, 0.5090

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	250, 251, 255
Decimal	16448767
CIE Lab	98.89, -0.12, -1.67
CIE LCh	99, 1.677, 265.871
Yxy	97.1648, 0.3097, 0.3261
Android (android.graphics.Color)	4294638847 (0xFFFAFCFF)
YUV	251.7440, 1.6052, -1.5295
Hunter-Lab	98.5722, -5.3871, 3.7400

# Details

The XYZ color 92.2847, 97.1648, 108.4985 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 93.6195, 98.4100, 104.5045, and the grayscale version is 92.3041, 97.1111, 105.7540.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 51.9563, 54.5768, 61.2221 is the 20% darker color. If you saturate the color by 10%, you get 79.1527, 83.5606, 106.5648, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

# Distribution



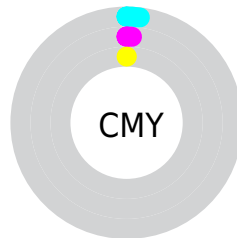
- Red (98%)
- Green (99%)
- Blue (100%)



- Red (98%)
- Yellow (98%)
- Blue (100%)



- Cyan (2%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (2%)
- Magenta (1%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 92.2847, 97.1648, 108.4985 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 92.2847, 97.1648, 108.4985 by changing the saturation by 10% instead.




 92.2847, 97.1648,  
108.4985

 92.2847, 97.1648,  
108.4985


523.5630,  
551.0724, 608.5873

 70.2196, 73.9380,  
82.7604


149.3702,  
157.2520, 174.9414

 51.9858, 54.7433,  
61.4530


185.1214,  
194.8812, 216.4832

 37.2180, 39.1963,  
44.1579


226.1652,  
238.0801, 264.1300

 25.5508, 26.9124,  
30.4566

272.8672,  
287.2329, 318.3002

 16.6188, 17.5075,  
19.9304

325.5926,  
342.7242, 379.4126

 10.0567, 10.5970,  
12.1609

384.7068,

 5.4991, 5.7965,

404.9383, 447.8855

6.7295

450.5751,  
474.2595, 524.1376

■ 2.5807, 2.7218,  
3.2176

■ 0.9361, 0.9883,  
1.2068

■ 92.2847, 97.1648,  
108.4985

■ 92.2847, 97.1648,  
108.4985

■ 79.1527, 83.5606,  
106.5648

95.0500, 100.0000,  
108.9000

■ 67.5809, 71.3170,  
104.8114

■ 57.5101, 60.3922,  
103.2335

■ 48.8739, 50.7377,  
101.8252

■ 41.6009, 42.3016,  
100.5802

■ 35.6132, 35.0279,  
99.4918

■ 30.8239, 28.8555,  
98.5528

■ 27.1343, 23.7159,  
97.7552

■ 24.4268, 19.5300,  
97.0900

# Harmonies

## Analogous

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



91.8269, 97.1648, 108.0357



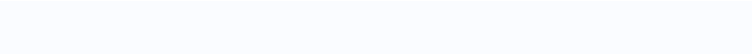
92.2847, 97.1648, 108.4985



92.7622, 97.1648, 108.2320

# Triad

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



92.2847, 97.1648, 108.4985



93.1989, 97.1648, 104.6279



91.5778, 97.1648, 104.2956

# Complementary

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



92.2847, 97.1648, 108.4985



93.6195, 98.4100, 104.5045

# 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.



91.9435, 97.1648, 103.3968



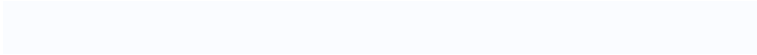
92.2847, 97.1648, 108.4985



92.8796, 97.1648, 103.5874

# Square

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



92.2847, 97.1648, 108.4985



93.2911, 97.1648, 105.9895



92.4198, 97.1648, 103.1387



91.4197, 97.1648, 105.6026



# Rectangle

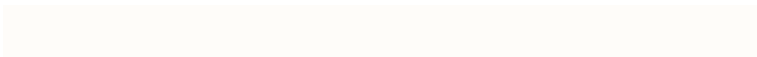
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



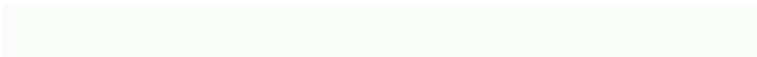
92.2847, 97.1648, 108.4985



93.0273, 97.1648, 107.6778



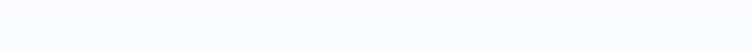
92.4198, 97.1648, 103.1387



91.6805, 97.1648, 103.9362

# Sweetspot

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



92.2872, 97.1688, 108.4991



93.6327, 98.5489, 108.6946



92.9014, 98.9309, 107.0586



20.0562, 21.1088, 23.2673



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.



92.2872, 97.1688, 108.4991




92.2317, 97.1119, 108.4911



91.8105, 95.9935, 108.2974



19.7709, 20.8163, 23.2259



12.0639, 9.0374, 50.5431



1.2781, 1.0869, 4.9557



# Inverse Universe

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



92.9977, 96.6609, 105.8563



92.9565, 96.5939, 105.7950



94.1025, 99.6033, 104.7094



19.9185, 20.7107, 22.6771



22.8775, 11.6403, 8.0053

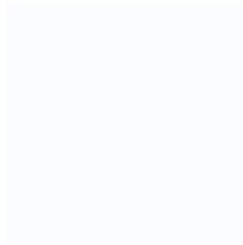


2.2797, 1.1543, 1.0546



# Previews

## White Background



This preview shows how the XYZ color 92.2847, 97.1648, 108.4985 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 92.2847, 97.1648, 108.4985 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

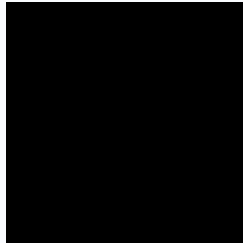
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

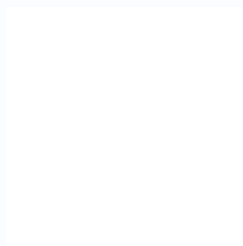
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 92.2847, 97.1648, 108.4985

## Background



This preview shows how black text looks on a background with the XYZ color 92.2847, 97.1648, 108.4985.



This preview shows how white text looks on a background with the XYZ color 92.2847, 97.1648, 108.4985.



# 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

92.2847, 97.1648, 108.4985

### Protanopia

93.6266, 97.4101, 107.6333

### Deuteranopia

93.3079, 97.2826, 105.9550

## **Tritanopia**

92.6921, 96.9098, 108.4278

# Trichromacy

## Original Color

92.2847, 97.1648, 108.4985

## Protanomaly

92.8946, 97.0328, 107.5991

## Deuteranomaly

92.7348, 96.9689, 106.7577

## Tritanomaly

92.3308, 96.7236, 108.4109

# Monochromacy

## Original Color

92.2847, 97.1648, 108.4985

## Achromatopsia

92.5260, 97.3445, 106.0082

## Achromatomaly

92.3237, 97.2219, 106.8282

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 92.2847, 97.1648, 108.4985 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(250, 252, 255) looks like.

```
.text, #text, p{  
    color:rgb(250, 252, 255)  
}
```

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(250, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 252, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 92.2847, 97.1648, 108.4985 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(250, 252, 255) }
```



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

```
.border{ border-color:rgb(250, 252, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(250, 252,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 92.2847, 97.1648, 108.4985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 252, 255) }
```

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

```
.background{ background-color: rgb(250,  
252, 255) }
```

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