

# Converting Colors

XYZ(93.0011, 98.9437,  
108.8041)

Have a look what the booklet for  
XYZ(93.0011, 98.9437, 108.8041)  
contains.

<b>XYZ(92.8769, 98.8797, 108.7983)</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(92.8769, 98.8797,  
108.7983)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9FFFF
RGB	249, 255, 255
RGB Percent	98%, 100%, 100%
CMY	0.0235, 0.0000, 0.0000
CMYK	0.02, 0.00, 0.00, 0.00
HSL	180°, 100%, 99%
HSV	180°, 2%, 100%
XYZ	92.8769, 98.8797, 108.7983
YIQ	253.2060, -3.5760, -1.2720

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	249, 252, 255
Decimal	16383999
CIE Lab	99.57, -1.96, -0.70
CIE LCh	100, 2.081, 199.593
Yxy	98.8797, 0.3090, 0.3290
Android (android.graphics.Color)	4294574079 (0xFF99FF)
YUV	253.2060, 0.8844, -3.6887
Hunter-Lab	99.4383, -7.2952, 4.7359

# Details

The XYZ color 92.8769, 98.8797, 108.7983 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 92.2154, 95.8521, 103.2650, and the grayscale version is 93.5313, 98.4022, 107.1600.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 52.3794, 55.8028, 61.4364 is the 20% darker color. If you saturate the color by 10%, you get 84.3963, 94.5078, 108.4014, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

# Distribution



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



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 92.8769, 98.8797, 108.7983 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 92.8769, 98.8797, 108.7983 by changing the saturation by 10% instead.



92.8769, 98.8797,  
108.7983

92.8769, 98.8797,  
108.7983

525.4450,  
556.5123, 609.5333

70.7133, 75.3682,  
83.0107

150.1863,  
159.6139, 175.3536

52.3899, 55.9146,  
61.6583

186.0629,  
197.6053, 216.9582

37.5415, 40.1345,  
44.3226

227.2411,  
241.1922, 264.6724

25.8026, 27.6434,  
30.5852

274.0864,  
290.7590, 318.9145

16.8080, 18.0570,  
20.0274

326.9640,  
346.6900, 380.1031

10.1921, 10.9909,  
12.2307

386.2395,

5.5898, 6.0607,

409.3696, 448.6567

6.7765

452.2780,  
479.1822, 524.9940

■ 2.6355, 2.8820,  
3.2464

■ 0.9641, 1.0705,  
1.2218

■ 92.8769, 98.8797,  
108.7983

■ 92.8769, 98.8797,  
108.7983

■ 84.3963, 94.5078,  
108.4014

95.0500, 100.0000,  
108.9000

■ 77.0992, 90.7460,  
108.0599

■ 70.9336, 87.5675,  
107.7714

■ 65.8429, 84.9432,  
107.5331

■ 61.7657, 82.8413,  
107.3423

■ 58.6341, 81.2269,  
107.1958

■ 56.3721, 80.0608,  
107.0899

■ 54.8923, 79.2979,  
107.0206

■ 54.0885, 78.8835,  
106.9830

# Harmonies

## Analogous

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

92.8285, 98.8797, 107.0550

92.8769, 98.8797, 108.7983

93.2208, 98.8797, 110.2522

# Triad

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



92.8769, 98.8797, 108.7983



94.8819, 98.8797, 109.8646



94.1951, 98.8797, 104.3794

# Complementary

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



92.8769, 98.8797, 108.7983



92.2154, 95.8521, 103.2650

# 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.

94.7478, 98.8797, 105.1150

92.8769, 98.8797, 108.7983

95.1454, 98.8797, 108.2737

# Square

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



92.8769, 98.8797, 108.7983



94.3777, 98.8797, 110.8725



95.0962, 98.8797, 106.5360



93.5878, 98.8797, 104.5164



# Rectangle

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



92.8769, 98.8797, 108.7983



93.5721, 98.8797, 110.8558



95.0962, 98.8797, 106.5360



94.3935, 98.8797, 104.5325

# Sweetspot

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



92.8775, 98.8801, 108.7983



94.1181, 99.5196, 108.8564



91.9267, 98.4997, 103.7913



20.1550, 21.3063, 23.3002



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.



92.8775, 98.8801, 108.7983



92.2913, 98.5779, 108.7709



91.9282, 96.9814, 108.4819



19.6004, 21.0204, 23.2742



28.1169, 41.1433, 55.8941



2.7376, 4.0060, 5.4422



# Inverse Universe

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



93.1662, 96.2325, 108.2721



92.6579, 95.2158, 108.1026



93.1498, 97.7210, 103.5765



19.6993, 20.1134, 23.0940



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340



# Previews

## White Background



This preview shows how the XYZ color (92.8769, 98.8797, 108.7983) 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 92.8769, 98.8797, 108.7983 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 92.8769, 98.8797, 108.7983

## Background



This preview shows how black text looks on a background with the XYZ color 92.8769, 98.8797, 108.7983.



This preview shows how white text looks on a background with the XYZ color 92.8769, 98.8797, 108.7983.



# 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

92.8769, 98.8797, 108.7983

### Protanopia

94.2547, 98.6663, 107.8427

### Deuteranopia

94.2547, 98.6663, 107.8427

# Tritanopia

94.3649, 99.1745, 108.7768

# Trichromacy

## Original Color

92.8769, 98.8797, 108.7983

## Protanomaly

93.8392, 98.9220, 107.9139

## Deuteranomaly

93.8392, 98.9220, 107.9139

## Tritanomaly

93.6367, 98.7991, 108.7427

# Monochromacy

## Original Color

92.8769, 98.8797, 108.7983

## Achromatopsia

93.3629, 98.2251, 106.9671

## Achromatomaly

93.4761, 98.7348, 107.8969

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 92.8769, 98.8797, 108.7983 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(249, 255, 255) looks like.

```
.text, #text, p{  
    color:rgb(249, 255, 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(249, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 92.8769, 98.8797, 108.7983 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(249, 255, 255) }
```



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

```
.border{ border-color:rgb(249, 255, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(249, 255,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 92.8769, 98.8797, 108.7983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 255, 255) }
```

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

```
.background{ background-color: rgb(249,  
255, 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