

# Converting Colors

XYZ(103.1796, 113.7245,  
98.0633)

Have a look what the booklet for  
XYZ(103.1796, 113.7245, 98.0633)  
contains.

<b>XYZ(92.5800, 99.0120, 95.8931)</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(92.5800, 99.0120,  
95.8931)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFFFFE7
RGB	255, 255, 239
RGB Percent	100%, 100%, 94%
CMY	0.0000, 0.0000, 0.0627
CMYK	0.00, 0.00, 0.06, 0.00
HSL	60°, 100%, 97%
HSV	60°, 6%, 100%
XYZ	92.5800, 99.0120, 95.8931
YIQ	253.1760, 5.1360, -4.9760

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	239, 255, 239
Decimal	16777199
CIE Lab	99.62, -2.71, 7.63
CIE LCh	100, 8.099, 109.562
Yxy	99.0120, 0.3220, 0.3444
Android (android.graphics.Color)	4294967279 (0xFFFFFFFF)
YUV	253.1760, -6.9888, 1.5996
Hunter-Lab	99.5048, -8.0556, 12.5154

# Details

The XYZ color 92.5800, 99.0120, 95.8931 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 84.5143, 87.3052, 107.0049, and the grayscale version is 93.5646, 98.4373, 107.1982.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 52.0300, 55.8128, 52.8304 is the 20% darker color. If you saturate the color by 10%, you get 89.0741, 97.6096, 77.4311, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

# Distribution



- Red (100%)
- Green (100%)
- Blue (94%)



- Red (94%)
- Yellow (100%)
- Blue (94%)



- Cyan (0%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)



- Cyan (0%)
- Magenta (0%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 92.5800, 99.0120, 95.8931 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 92.5800, 99.0120, 95.8931 by changing the saturation by 10% instead.



92.5800, 99.0120,  
95.8931

92.5800, 99.0120,  
95.8931

524.5019,  
556.9308, 568.0774

70.4658, 75.4786,  
72.2775

149.7772,  
159.7959, 157.5041

52.1873, 56.0051,  
52.8972

185.5909,  
197.8152, 196.3365

37.3793, 40.2070,  
37.3336

226.7019,  
241.4319, 241.0784

25.6763, 27.7000,  
25.1680

273.4753,  
291.0305, 292.1482

16.7130, 18.0996,  
15.9821

326.2767,  
346.9952, 349.9644

10.1241, 11.0215,  
9.3573

385.4714,

5.5442, 6.0813,

409.7106, 414.9457

4.8750

451.4246,  
479.5610, 487.5105

■ 2.6080, 2.8946,  
2.1166

■ 0.9500, 1.0770,  
0.6256

■ 92.5800, 99.0120,  
95.8931

■ 92.5800, 99.0120,  
95.8931

■ 89.0741, 97.6096,  
77.4311

95.0500, 100.0000,  
108.9000

■ 86.0773, 96.4109,  
61.6504

■ 83.5663, 95.4065,  
48.4277

■ 81.5155, 94.5862,  
37.6283

■ 79.8970, 93.9388,  
29.1052

■ 78.6798, 93.4519,  
22.6957

■ 77.8289, 93.1116,  
18.2152

■ 77.3034, 92.9014,  
15.4477

■ 77.0521, 92.8008,  
14.1241

# Harmonies

## Analogous

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



94.9417, 99.0120, 95.3936



92.5800, 99.0120, 95.8931



90.6588, 99.0120, 99.5065

# Triad

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



92.5800, 99.0120, 95.8931



91.1631, 99.0120, 118.1211



98.6928, 99.0120, 110.2055

# Complementary

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



92.5800, 99.0120, 95.8931



84.5143, 87.3052, 107.0049

# Split Complementary

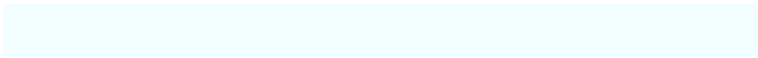
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.6435, 99.0120, 116.5572



92.5800, 99.0120, 95.8931



93.2791, 99.0120, 121.2536

# Square

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



92.5800, 99.0120, 95.8931



89.8503, 99.0120, 112.2672



95.6526, 99.0120, 120.6695

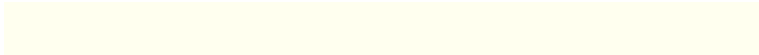


98.4980, 99.0120, 103.4670



# Rectangle

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



92.5800, 99.0120, 95.8931



89.8736, 99.0120, 103.2834



95.6526, 99.0120, 120.6695



98.4732, 99.0120, 112.4613

# Sweetspot

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



92.5803, 99.0121, 95.8946



94.2396, 99.6759, 104.6327



87.6873, 89.2262, 94.2636



20.1796, 21.3381, 22.4404



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.



92.5803, 99.0121, 95.8946



91.9377, 98.7551, 92.5106



89.6984, 97.5264, 95.7597



19.5613, 21.0908, 19.1843



40.2342, 48.4795, 7.2369



3.9175, 4.7203, 0.7046



# Inverse Universe

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



84.5143, 87.3052, 107.0049



81.7730, 84.0020, 106.5119



87.2752, 88.7284, 107.1341



17.0031, 17.3778, 22.7080



9.4315, 3.7726, 49.6657

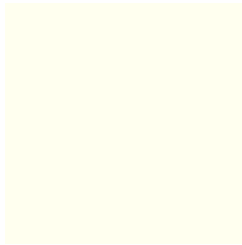


0.9183, 0.3673, 4.8358



# Previews

## White Background



This preview shows how the XYZ color 92.5800, 99.0120, 95.8931 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

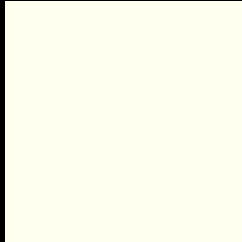
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 92.5800, 99.0120, 95.8931 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 92.5800, 99.0120, 95.8931

## Background



This preview shows how black text looks on a background with the XYZ color 92.5800, 99.0120, 95.8931.



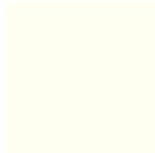
This preview shows how white text looks on a background with the XYZ color 92.5800, 99.0120, 95.8931.



# 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

92.5800, 99.0120, 95.8931

### Protanopia

94.2525, 99.1719, 106.2699

### Deuteranopia

94.4114, 99.2355, 107.1069

# Tritanopia

94.3649, 99.1745, 108.7768

# Trichromacy

## Original Color

92.5800, 99.0120, 95.8931

## Protanomaly

93.4703, 98.8590, 102.1510

## Deuteranomaly

93.6251, 98.9209, 102.9660

## Tritanomaly

93.4137, 98.7940, 103.7683

# Monochromacy

## Original Color

92.5800, 99.0120, 95.8931

## Achromatopsia

93.3629, 98.2251, 106.9671

## Achromatomaly

93.2581, 98.7318, 102.9488

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 92.5800, 99.0120, 95.8931 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, 255, 239) looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 239)  
}
```

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, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 92.5800, 99.0120, 95.8931 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, 255, 239) }
```



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

```
.border{ border-color:rgb(255, 255, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 255, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 92.5800, 99.0120, 95.8931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 255, 239) }
```

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

```
.background{ background-color: rgb(255,  
255, 239) }
```

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