

# Converting Colors

XYZ(99.9211, 111.6444,  
125.3242)

Have a look what the booklet for  
XYZ(99.9211, 111.6444, 125.3242)  
contains.

<b>XYZ(90.7721, 97.7947, 108.6998)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# **Color**

**XYZ(90.7721, 97.7947,  
108.6998)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3FFFF
RGB	243, 255, 255
RGB Percent	95%, 100%, 100%
CMY	0.0471, 0.0000, 0.0000
CMYK	0.05, 0.00, 0.00, 0.00
HSL	180°, 100%, 98%
HSV	180°, 5%, 100%
XYZ	90.7721, 97.7947, 108.6998
YIQ	251.4120, -7.1520, -2.5440

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	243, 249, 255
Decimal	15990783
CIE <sub>Lab</sub>	99.14, -3.91, -1.37
CIE <sub>LCh</sub>	99, 4.141, 199.302
Y <sub>xy</sub>	97.7947, 0.3054, 0.3290
Android (android.graphics.Color)	4294180863 (0xFFFF3FFFFF)
Y <sub>UV</sub>	251.4120, 1.7689, -7.3773
Hunter-Lab	98.8912, -9.2147, 4.0531

# Details

The XYZ color 90.7721, 97.7947, 108.6998 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.4690, 91.8334, 97.8054, and the grayscale version is 92.0263, 96.8189, 105.4358.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.8806, 55.0302, 61.3663 is the 20% darker color. If you saturate the color by 10%, you get 82.5746, 93.5687, 108.3162, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

# Distribution



- Red (95%)
- Green (100%)
- Blue (100%)



- Red (95%)
- Yellow (98%)
- Blue (100%)



- Cyan (5%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (5%)
- Magenta (0%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.7721, 97.7947, 108.6998 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 90.7721, 97.7947, 108.6998 by changing the saturation by 10% instead.




 90.7721, 97.7947,  
108.6998

 90.7721, 97.7947,  
108.6998


518.7398,  
553.0737, 609.2226

 68.9596, 74.4632,  
82.9284


147.2833,  
158.1200, 175.2181

 50.9553, 55.1732,  
61.5908


182.7127,  
195.8826, 216.8022

 36.3939, 39.5404,  
44.2685


223.4118,  
239.2243, 264.4942

 24.9101, 27.1804,  
30.5429

269.7459,  
288.5295, 318.7127

 16.1385, 17.7088,  
19.9955

322.0804,  
344.1827, 379.8763

 9.7137, 10.7411,  
12.2077

380.7807,

 5.2703, 5.8930,

406.5682, 448.4034

6.7611

446.2120,  
476.0704, 524.7127

■ 2.4431, 2.7801,  
3.2369

■ 0.8667, 1.0181,  
1.2169

■ 90.7721, 97.7947,  
108.6998

■ 90.7721, 97.7947,  
108.6998

■ 82.5746, 93.5687,  
108.3162

95.0500, 100.0000,  
108.9000

■ 75.5487, 89.9467,  
107.9874

■ 69.6413, 86.9013,  
107.7109

■ 64.7948, 84.4029,  
107.4841

■ 60.9464, 82.4189,  
107.3040

■ 58.0266, 80.9137,  
107.1673

■ 55.9571, 79.8469,  
107.0705

■ 54.6468, 79.1714,  
107.0092

■ 53.9835, 78.8294,  
106.9781

# Harmonies

## Analogous

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



90.6832, 97.7947, 105.2495



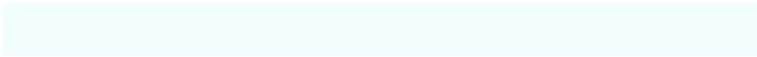
90.7721, 97.7947, 108.6998



91.4419, 97.7947, 111.6145

# Triad

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



90.7721, 97.7947, 108.6998



94.7263, 97.7947, 110.8866



93.3835, 97.7947, 100.0669

# Complementary

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



90.7721, 97.7947, 108.6998



89.4690, 91.8334, 97.8054

# 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.



94.4765, 97.7947, 101.5089



90.7721, 97.7947, 108.6998



95.2562, 97.7947, 107.7236

# Square

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



90.7721, 97.7947, 108.6998



93.7222, 97.7947, 112.8958



95.1643, 97.7947, 104.2942



92.1839, 97.7947, 100.3154



# Rectangle

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



90.7721, 97.7947, 108.6998



92.1309, 97.7947, 112.8381



95.1643, 97.7947, 104.2942



93.7758, 97.7947, 100.3688

# Sweetspot

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



90.7727, 97.7950, 108.6998



94.1181, 99.5196, 108.8564



88.9006, 97.0461, 98.8416



20.1550, 21.3063, 23.3002



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

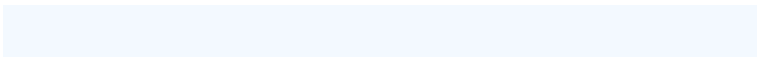
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.7727, 97.7950, 108.6998



89.6434, 97.2128, 108.6470



88.8887, 94.0269, 108.0718



19.0671, 20.7455, 23.2493



28.1169, 41.1433, 55.8941



2.7376, 4.0060, 5.4422



# Inverse Universe

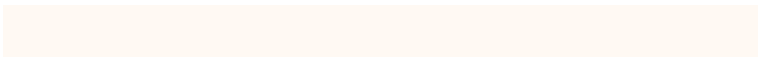
The Inverse Universe completely reimagines the original color for something new.



91.3411, 92.5822, 107.6637



90.3618, 90.6237, 107.3373



91.2939, 95.4830, 98.4137



19.2369, 19.1886, 22.9398



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340



# Previews

## White Background



This preview shows how the XYZ color 90.7721, 97.7947, 108.6998 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

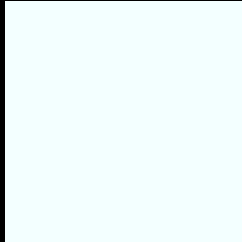
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.7721, 97.7947, 108.6998 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 90.7721, 97.7947, 108.6998

## Background



This preview shows how black text looks on a background with the XYZ color 90.7721, 97.7947, 108.6998.



This preview shows how white text looks on a background with the XYZ color 90.7721, 97.7947,



# 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

90.7721, 97.7947, 108.6998

### Protanopia

93.7800, 97.9727, 106.8964

### Deuteranopia

93.7800, 97.9727, 106.8964

## **Tritanopia**

93.0053, 97.5363, 108.5322

# Trichromacy



**Original Color**

90.7721, 97.7947, 108.6998

**Protanomaly**

92.7983, 97.9155, 107.7745

**Deuteranomaly**

92.7983, 97.9155, 107.7745

**Tritanomaly**

92.2422, 97.6103, 108.5867

# Monochromacy



**Original Color**

90.7721, 97.7947, 108.6998

**Achromatopsia**

91.6934, 96.4686, 105.0543

**Achromatomaly**

91.0925, 96.6055, 105.9411

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.7721, 97.7947, 108.6998 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(243, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(243, 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(243, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 255, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 90.7721, 97.7947, 108.6998 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(243, 255, 255) }
```



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

```
.border{ border-color:rgb(243, 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(243, 255, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(243, 255,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.7721, 97.7947, 108.6998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 255, 255) }
```

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

```
.background{ background-color: rgb(243,  
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