

# Converting Colors

XYZ(342.4170, 258.6824,  
122.2664)

Have a look what the booklet for  
XYZ(342.4170, 258.6824, 122.2664)  
contains.

<b>XYZ(94.2553, 99.6821, 104.7153)</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(94.2553, 99.6821,  
104.7153)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFFFFA
RGB	255, 255, 250
RGB Percent	100%, 100%, 98%
CMY	0.0000, 0.0000, 0.0196
CMYK	0.00, 0.00, 0.02, 0.00
HSL	60°, 100%, 99%
HSV	60°, 2%, 100%
XYZ	94.2553, 99.6821, 104.7153
YIQ	254.4300, 1.6050, -1.5550

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	250, 255, 250
Decimal	16777210
CIE Lab	99.88, -0.86, 2.37
CIE LCh	100, 2.525, 109.959
Yxy	99.6821, 0.3156, 0.3338
Android (android.graphics.Color)	4294967290 (0xFFFFFFFFFA)
YUV	254.4300, -2.1840, 0.4999
Hunter-Lab	99.8409, -6.2078, 7.7040

# Details

The XYZ color 94.2553, 99.6821, 104.7153 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 91.6612, 95.9167, 108.2905, and the grayscale version is 94.5845, 99.5102, 108.3666.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 53.2204, 56.2890, 59.0988 is the 20% darker color. If you saturate the color by 10%, you get 90.5227, 98.1891, 85.0597, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

# Distribution



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



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 94.2553, 99.6821, 104.7153 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 94.2553, 99.6821, 104.7153 by changing the saturation by 10% instead.



94.2553, 99.6821,  
104.7153

94.2553, 99.6821,  
104.7153

529.8120,  
559.0481, 596.5822

71.8631, 76.0379,  
79.6055

152.0840,  
160.7176, 169.7303

53.3319, 56.4636,  
58.8695

188.2512,  
198.8777, 210.4726

38.2964, 40.5747,  
42.0888

229.7407,  
242.6452, 257.2629

26.3910, 27.9870,  
28.8447

276.9181,  
292.4046, 310.5196

17.2506, 18.3158,  
18.7188

330.1485,  
348.5401, 370.6614

10.5098, 11.1770,  
11.2925

389.7974,

5.8031, 6.1860,

411.4363, 438.1067

6.1473

456.2301,  
481.4775, 513.2741

■ 2.7652, 2.9585,  
2.8646

■ 1.0309, 1.1101,  
1.0259

■ 94.2553, 99.6821,  
104.7153

■ 94.2553, 99.6821,  
104.7153

■ 90.5227, 98.1891,  
85.0597

■ 95.0500, 100.0000,  
108.9000

■ 87.3090, 96.9036,  
68.1365

■ 84.5915, 95.8166,  
53.8263

■ 82.3454, 94.9182,  
41.9987

■ 80.5440, 94.1976,  
32.5126

■ 79.1578, 93.6431,  
25.2126

■ 78.1535, 93.2414,  
19.9243

■ 77.4932, 92.9773,  
16.4470

■ 77.1308, 92.8323,  
14.5387

# Harmonies

## Analogous

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

94.9956, 99.6821, 104.5356

94.2553, 99.6821, 104.7153

93.6492, 99.6821, 105.9114

# Triad

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

94.2553, 99.6821, 104.7153

93.8236, 99.6821, 111.7174

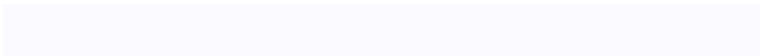
96.1665, 99.6821, 109.2558

# Complementary

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



94.2553, 99.6821, 104.7153



91.6612, 95.9167, 108.2905

# 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.

95.8490, 99.6821, 111.2054

94.2553, 99.6821, 104.7153

94.4946, 99.6821, 112.6389

# Square

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



94.2553, 99.6821, 104.7153



93.4009, 99.6821, 109.9474



95.2361, 99.6821, 112.4503



96.1016, 99.6821, 107.1385



# Rectangle

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



94.2553, 99.6821, 104.7153



93.4016, 99.6821, 107.1330



95.2361, 99.6821, 112.4503



96.1009, 99.6821, 109.9530

# Sweetspot

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



94.2556, 99.6822, 104.7168



94.6421, 99.8368, 106.7521



92.6818, 96.5346, 104.1922



20.2616, 21.3709, 22.8720



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.



94.2556, 99.6822, 104.7168



94.2396, 99.6759, 104.6327




93.3422, 99.2113, 104.6740



20.1796, 21.3381, 22.4404



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.



91.6612, 95.9167, 108.2905



91.5931, 95.8346, 108.2782



92.5627, 96.3815, 108.3326



19.6409, 20.5562, 23.1825



9.4315, 3.7726, 49.6657



0.9183, 0.3673, 4.8358



# Previews

## White Background



Color Contrast: Large Text (above 18pt) WCAG AA × Fail  
Any Text WCAG AA × Fail  
Color Contrast: Large Text (above 18pt) WCAG AAA × Fail  
Any Text WCAG AAA × Fail

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

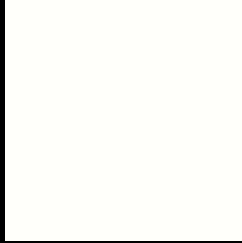
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 94.2553, 99.6821, 104.7153 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

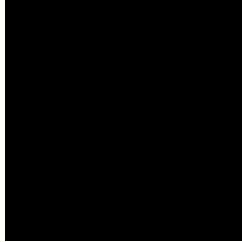
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 94.2553, 99.6821, 104.7153

## Background



This preview shows how black text looks on a background with the XYZ color 94.2553, 99.6821, 104.7153.



# 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

94.2553, 99.6821, 104.7153

### Protanopia

94.8894, 99.9358, 108.0543

### Deuteranopia

95.0500, 100.0000, 108.9000

## Tritanopia

95.0500, 100.0000, 108.9000

# Trichromacy

## Original Color

94.2553, 99.6821, 104.7153

## Protanomaly

94.7296, 99.8718, 107.2129

## Deuteranomaly

94.7296, 99.8718, 107.2129

## Tritanomaly

94.7296, 99.8718, 107.2129

# Monochromacy

## Original Color

94.2553, 99.6821, 104.7153

## Achromatopsia

94.2043, 99.1102, 107.9310

## Achromatomaly

94.0445, 99.0463, 107.0897

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 94.2553, 99.6821, 104.7153 is called "color". The color property can be set on classes, ids or directly on the HTML element.

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

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, 250) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to XYZ 94.2553, 99.6821, 104.7153 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, 250) }
```



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

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

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, 250)` colored shadow looks like.

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

# Background

The CSS property to change the background color of an element to XYZ 94.2553, 99.6821, 104.7153 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, 250) }
```

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

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

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