

# Converting Colors

XYZ(96.1462, 100.0000,  
106.5963)

Have a look what the booklet for  
XYZ(96.1462, 100.0000, 106.5963)  
contains.

<b>XYZ(94.2525, 99.1719, 106.2699)</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> .....	23
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# **Color**

**XYZ(94.2525, 99.1719,  
106.2699)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFEFC
RGB	255, 254, 252
RGB Percent	100%, 100%, 99%
CMY	0.0000, 0.0039, 0.0118
CMYK	0.00, 0.00, 0.01, 0.00
HSL	40°, 100%, 99%
HSV	40°, 1%, 100%
XYZ	94.2525, 99.1719, 106.2699
YIQ	254.0710, 1.2380, -0.4100

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	254, 255, 252
Decimal	16776956
CIE <sub>Lab</sub>	99.68, -0.01, 1.06
CIE <sub>LCh</sub>	100, 1.059, 90.707
Yxy	99.1719, 0.3145, 0.3309
Android (android.graphics.Color)	4294967036 (0xFFFFEFC)
YUV	254.0710, -1.0210, 0.8147
Hunter-Lab	99.5851, -5.3322, 6.4396

# Details

The XYZ color 94.2525, 99.1719, 106.2699 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 93.3194, 98.1636, 108.6368, and the grayscale version is 94.2749, 99.1846, 108.0120.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 53.1053, 55.8784, 59.6164 is the 20% darker color. If you saturate the color by 10%, you get 87.8563, 92.4184, 85.5210, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

# Distribution



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



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 94.2525, 99.1719, 106.2699 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 94.2525, 99.1719, 106.2699 by changing the saturation by 10% instead.




94.2525, 99.1719,  
106.2699

94.2525, 99.1719,  
106.2699


529.8032,  
557.4364, 601.5304

 71.8608, 75.6121,  
80.9011


152.0801,  
160.0159, 171.8739

 53.3300, 56.1145,  
59.9296


188.2467,  
198.0688, 212.9461

 38.2948, 40.2947,  
42.9370


229.7357,  
241.7216, 260.0898

 26.3898, 27.7684,  
29.5046

276.9123,  
291.3585, 313.7236

 17.2497, 18.1511,  
19.2140

330.1421,  
347.3641, 374.2661

 10.5091, 11.0586,  
11.6467

389.7902,

 5.8026, 6.1062,

410.1227, 442.1356

6.3840

456.2221,  
480.0187, 517.7509

■ 2.7650, 2.9098,  
3.0074

■ 1.0307, 1.0848,  
1.0984

94.2525, 99.1719,  
106.2699

94.2525, 99.1719,  
106.2699

■ 87.8563, 92.4184,  
85.5210

95.0500, 100.0000,  
108.9000

■ 82.0958, 86.1031,  
67.5521

■ 76.9487, 80.2179,  
52.2443

■ 72.3890, 74.7497,  
39.4677

■ 68.3883, 69.6848,  
29.0816

■ 64.9158, 65.0080,  
20.9312

■ 61.9370, 60.7031,  
14.8433

■ 59.4125, 56.7514,  
10.6192

■ 57.2954, 53.1313,  
8.0203

# Harmonies

## Analogous

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

94.5542, 99.1719, 106.4876

94.2525, 99.1719, 106.2699

93.9534, 99.1719, 106.5087

# Triad

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

94.2525, 99.1719, 106.2699

93.7443, 99.1719, 108.8624

94.7849, 99.1719, 108.8254

# Complementary

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

94.2525, 99.1719, 106.2699

93.3194, 98.1636, 108.6368

# 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.

94.5671, 99.1719, 109.4675

94.2525, 99.1719, 106.2699

93.9663, 99.1719, 109.4890

# Square

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

94.2525, 99.1719, 106.2699

93.6604, 99.1719, 108.0026


94.2673, 99.1719, 109.7111

94.8620, 99.1719, 107.9601



# Rectangle

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




94.2525, 99.1719, 106.2699



93.7957, 99.1719, 106.8953



94.2673, 99.1719, 109.7111



94.7257, 99.1719, 109.0747

# Sweetspot

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



94.2547, 99.1759, 106.2720

95.0500, 100.0000, 108.9000



93.7808, 97.9738, 106.8976



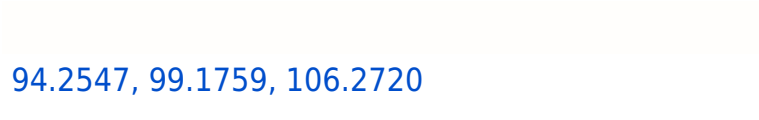
20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

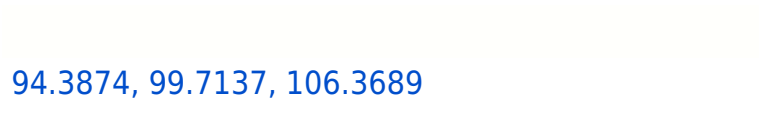
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.2547, 99.1759, 106.2720



94.3730, 99.2987, 106.6624



94.3874, 99.7137, 106.3689



20.2069, 21.2614, 22.8537



29.2484, 26.5081, 3.5750



2.9481, 2.7816, 0.3815



# Inverse Universe

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



93.3194, 98.1636, 108.6368



93.5766, 98.4367, 108.6759



93.1877, 97.6311, 108.5409



20.0448, 21.0860, 23.2635



11.2312, 7.3721, 50.2656



1.1889, 0.9086, 4.9260



# Previews

## 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 94.2525, 99.1719, 106.2699 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 94.2525, 99.1719, 106.2699

## Background



This preview shows how black text looks on a background with the XYZ color 94.2525, 99.1719, 106.2699.



# 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

94.2525, 99.1719, 106.2699

### Protanopia

94.5712, 99.2994, 107.9482

### Deuteranopia

94.5712, 99.2994, 107.9482

# Tritanopia

94.3649, 99.1745, 108.7768

# Trichromacy

## Original Color

94.2525, 99.1719, 106.2699

## Protanomaly

94.4114, 99.2355, 107.1069

## Deuteranomaly

94.4114, 99.2355, 107.1069

## Tritanomaly

94.2043, 99.1102, 107.9310

# Monochromacy

## Original Color

94.2525, 99.1719, 106.2699

## 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 94.2525, 99.1719, 106.2699 is called "color". The color property can be set on classes, ids or directly on the HTML element.

```
.text, #text, p{  
    color:rgb(255, 254, 252)  
}
```

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, 254, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 254, 252) }
```

## Border

The CSS property to change the border of an element to XYZ 94.2525, 99.1719, 106.2699 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, 254, 252) }
```

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

```
.border{ border-color:rgb(255, 254, 252) }
```

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

Here you see how a box with a 4 pixel rgb(255, 254, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 254, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 254, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 254,  
252) }
```



# Background

The CSS property to change the background color of an element to XYZ 94.2525, 99.1719, 106.2699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 254, 252) }
```

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

```
.background{ background-color: rgb(255,  
254, 252) }
```

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