

# Converting Colors

XYZ(57.1114, 53.9819, 94.8575)

Have a look what the booklet for  
XYZ(57.1114, 53.9819, 94.8575)  
contains.

<b>XYZ(56.9106, 53.7966, 94.5730)</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(56.9106, 53.7966,  
94.5730)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3BBF6
RGB	195, 187, 246
RGB Percent	76%, 73%, 96%
CMY	0.2353, 0.2667, 0.0353
CMYK	0.21, 0.24, 0.00, 0.04
HSL	248°, 77%, 85%
HSV	248°, 24%, 96%
XYZ	56.9106, 53.7966, 94.5730
YIQ	196.1180, -14.1710, 20.0450

# Conversions

## Conversions Part 2

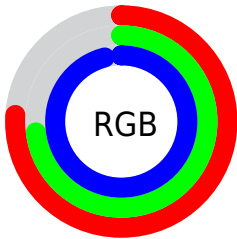
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	195, 187, 246
Decimal	12827638
CIE Lab	78.34, 14.78, -28.16
CIE LCh	78, 31.804, 297.683
Yxy	53.7966, 0.2772, 0.2621
Android (android.graphics.Color)	4291017718 (0xFFC3BBF6)
YUV	196.1180, 24.5918, -0.9805
Hunter-Lab	73.3462, 10.1455, -25.1066

# Details

The XYZ color **56.9106, 53.7966, 94.5730** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **77.1868, 87.6777, 59.8714**, and the grayscale version is **52.4048, 55.1339, 60.0409**.

A 20% lighter version of the original color is **90.2455, 92.0166, 107.6123**, and **28.6346, 26.3433, 52.2908** is the 20% darker color. If you saturate the color by 10%, you get **47.0236, 41.6057, 92.7419**, and if you desaturate by 10%, it is **68.4775, 68.1830, 96.7411**.

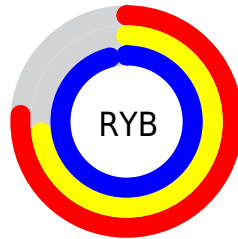
# Distribution



Red (76%)

Green (73%)

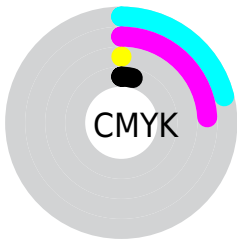
Blue (96%)



Red (76%)

Yellow (73%)

Blue (96%)

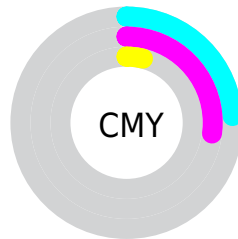


Cyan (21%)

Magenta (24%)

Yellow (0%)

Black (4%)



Cyan (24%)

Magenta (27%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.9106, 53.7966, 94.5730 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 56.9106, 53.7966, 94.5730 by changing the saturation by 10% instead.



■ 56.9106, 53.7966,  
94.5730

■ 56.9106, 53.7966,  
94.5730

403.1338,  
401.3339, 563.7465

■ 41.1733, 38.4391,  
71.1847

■ 99.4668, 95.7755,  
155.6651

■ 28.6428, 26.3236,  
52.0102

127.0165,  
123.1657, 194.2059

■ 18.9537, 17.0659,  
36.6309

159.2344,  
155.3356, 238.6347

■ 11.7406, 10.2815,  
24.6283

196.4858,  
192.6695, 289.3699

■ 6.6383, 5.5860,  
15.5838

239.1361,  
235.5519, 346.8302

■ 3.2812, 2.5950,  
9.0790

287.5506,

■ 1.3042, 0.9242,

284.3672, 411.4340

4.6952

342.0947,  
339.4997, 483.5999

■ 0.1863, 0.0000,  
2.0140

■ 0.0000, 0.0000,  
0.5639

■ 56.9106, 53.7966,  
94.5730

■ 56.9106, 53.7966,  
94.5730

■ 47.0236, 41.6057,  
92.7419

■ 68.4775, 68.1830,  
96.7411

■ 38.7327, 31.4958,  
91.2275

■ 81.7922, 84.8589,  
99.2581

■ 31.9550, 23.3516,  
90.0127

■ 93.6347, 99.4339,  
101.4472

■ 26.5976, 17.0442,  
89.0776

■ 22.5574, 12.4291,  
88.3998

■ 19.7168, 9.3395,  
87.9531

■ 17.9362, 7.5743,  
87.7063

■ 17.2733, 6.9831,  
87.6271

# Harmonies

## Analogous

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



50.6486, 53.7966, 100.0496



56.9106, 53.7966, 94.5730



61.9557, 53.7966, 78.9305

# Triad

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



56.9106, 53.7966, 94.5730



57.8176, 53.7966, 34.0724



40.0572, 53.7966, 57.1973

# Complementary

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



56.9106, 53.7966, 94.5730



77.1868, 87.6777, 59.8714

# 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.



41.6487, 53.7966, 42.0602



56.9106, 53.7966, 94.5730



51.6186, 53.7966, 30.5150

# Square

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



56.9106, 53.7966, 94.5730



62.5086, 53.7966, 44.0191



45.7585, 53.7966, 33.1136



41.2271, 53.7966, 76.0315



# Rectangle

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



56.9106, 53.7966, 94.5730



63.7713, 53.7966, 66.2147



45.7585, 53.7966, 33.1136



40.2839, 53.7966, 51.5474

# Sweetspot

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



56.9123, 53.7988, 94.5742



84.1670, 86.3254, 106.8341



67.7430, 78.4468, 98.7609



17.8240, 18.2375, 22.8307



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.



56.9123, 53.7988, 94.5742



56.0890, 51.3743, 101.5678



65.2608, 58.1026, 94.9649



15.7900, 16.0344, 20.8053



9.2857, 3.7613, 46.7746



0.8799, 0.3635, 4.1140



# Inverse Universe

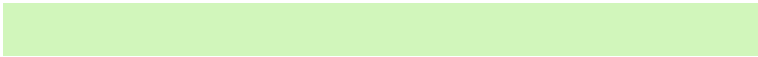
The Inverse Universe completely reimagines the original color for something new.



71.2106, 61.3086, 88.9712



74.2515, 60.9191, 94.2104



68.1179, 83.0025, 59.4469



17.1113, 16.7274, 20.3327



26.7114, 13.0280, 34.7843

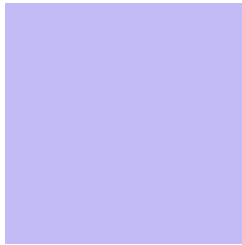


2.3739, 1.1555, 3.1951



# Previews

## White Background



This preview shows how the XYZ color 56.9106, 53.7966, 94.5730 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

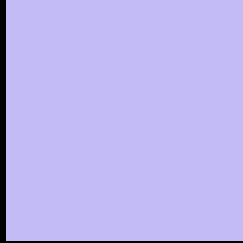
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.9106, 53.7966, 94.5730 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 56.9106, 53.7966, 94.5730**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.9106, 53.7966, 94.5730.



This preview shows how white text looks on a background with the XYZ color 56.9106, 53.7966,



# 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

56.9106, 53.7966, 94.5730

### Protanopia

54.5389, 54.1225, 97.1947

### Deuteranopia

55.1446, 53.8586, 93.8755



## **Tritanopia**

51.5394, 53.8784, 68.0047

# Trichromacy



## Original Color

56.9106, 53.7966, 94.5730

## Protanomaly

55.3643, 53.9185, 96.2962

## Deuteranomaly

55.6653, 53.8066, 93.8380

## Tritanomaly

53.3015, 53.6119, 76.6461

# Monochromacy



## Original Color

56.9106, 53.7966, 94.5730

## Achromatopsia

52.4687, 55.2011, 60.1140

## Achromatomaly

53.9725, 54.7307, 71.3378

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.9106, 53.7966, 94.5730 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(195, 187, 246)` looks like.

```
.text, #text, p{  
    color:rgb(195, 187, 246)  
}
```

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(195, 187, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 187, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 56.9106, 53.7966, 94.5730 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".

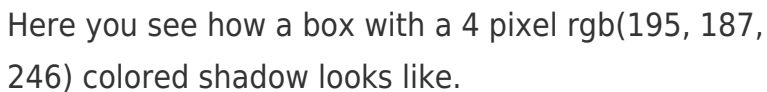
```
.border, #border, table{ border:4px solid rgb(195, 187, 246) }
```



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

```
.border{ border-color:rgb(195, 187, 246) }
```

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



Here you see how a box with a 4 pixel `rgb(195, 187, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 187, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 187, 246); box-shadow:4px 4px 4px 4px rgb(195, 187, 246) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.9106, 53.7966, 94.5730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 187, 246) }
```

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

```
.background{ background-color: rgb(195,  
187, 246) }
```

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