

# Converting Colors

XYZ(53.1632, 47.3993, 79.3232)

Have a look what the booklet for  
XYZ(53.1632, 47.3993, 79.3232)  
contains.

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# Color

**XYZ(53.0566, 47.3684,  
79.0197)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBABE3
RGB	203, 171, 227
RGB Percent	80%, 67%, 89%
CMY	0.2039, 0.3294, 0.1098
CMYK	0.11, 0.25, 0.00, 0.11
HSL	274°, 50%, 78%
HSV	274°, 25%, 89%
XYZ	53.0566, 47.3684, 79.0197
YIQ	186.9520, 1.0960, 24.2000

# Conversions

## Conversions Part 2

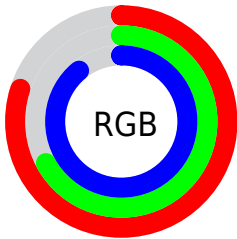
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	203, 171, 227
Decimal	13347811
CIE <sub>Lab</sub>	74.42, 21.93, -23.83
CIE <sub>LCh</sub>	74, 32.381, 312.625
Yxy	47.3684, 0.2957, 0.2640
Android (android.graphics.Color)	4291537891 (0xFFCBAE3)
YUV	186.9520, 19.7437, 14.0741
Hunter-Lab	68.8247, 17.1615, -19.8953

# Details

The XYZ color **53.0566, 47.3684, 79.0197** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **57.3272, 69.4818, 48.9202**, and the grayscale version is **47.1001, 49.5530, 53.9632**.

A 20% lighter version of the original color is **86.4864, 82.8727, 106.0455**, and **26.1603, 22.4298, 41.4787** is the 20% darker color. If you saturate the color by 10%, you get **46.5649, 38.1949, 77.5919**, and if you desaturate by 10%, it is **60.4539, 58.1042, 80.7028**.

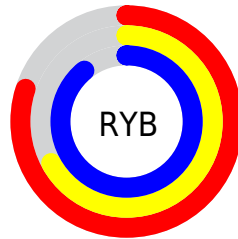
# Distribution



Red (80%)

Green (67%)

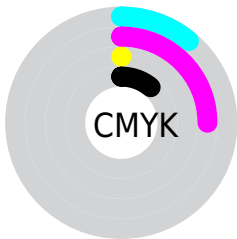
Blue (89%)



Red (80%)

Yellow (67%)

Blue (89%)

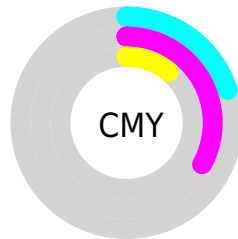


Cyan (11%)

Magenta (25%)

Yellow (0%)

Black (11%)



Cyan (20%)

Magenta (33%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.0566, 47.3684, 79.0197 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 53.0566, 47.3684, 79.0197 by changing the saturation by 10% instead.



■ 53.0566, 47.3684,  
79.0197

■ 53.0566, 47.3684,  
79.0197

388.7595,  
376.2831, 511.2424

■ 38.0756, 33.3270,  
58.3906

■ 93.8527, 86.2633,  
133.7855

■ 26.2189, 22.3771,  
41.7060

120.3985,  
111.8855, 168.7593

■ 17.1210, 14.1342,  
28.5473

151.5300,  
142.1368, 209.3517

■ 10.4166, 8.2141,  
18.4960

187.6124,  
177.4016, 255.9813

■ 5.7404, 4.2322,  
11.1336

229.0113,  
218.0642, 309.0667

■ 2.7270, 1.8043,  
6.0414

276.0918,

■ 1.0111, 0.4899,

264.5091, 369.0262

2.8011

329.2195,  
317.1206, 436.2786

■ 0.0000, 0.0000,  
0.9940

■ 0.0000, 0.0000,  
0.0000

■ 53.0566, 47.3684,  
79.0197

■ 53.0566, 47.3684,  
79.0197

■ 46.5649, 38.1949,  
77.5919

■ 60.4539, 58.1042,  
80.7028

■ 40.9337, 30.5009,  
76.4036

■ 68.7902, 70.4678,  
82.6498

■ 36.1203, 24.2050,  
75.4421

■ 78.1025, 84.5279,  
84.8729

■ 32.0765, 19.2150,  
74.6921

■ 86.2149, 95.9288,  
86.6459

■ 28.7479, 15.4275,  
74.1364

■ 89.6423, 97.6956,  
86.8063

■ 26.0721, 12.7227,  
73.7554

■ 90.8653, 98.3261,  
86.8635

■ 23.9734, 10.9541,  
73.5246

■ 23.0270, 10.2691,  
73.4423

# Harmonies

## Analogous

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



47.5196, 47.3684, 89.7203



53.0566, 47.3684, 79.0197



56.6028, 47.3684, 61.7803

# Triad

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



53.0566, 47.3684, 79.0197



48.4570, 47.3684, 26.5839



34.9362, 47.3684, 58.9237

# Complementary

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



53.0566, 47.3684, 79.0197



57.3272, 69.4818, 48.9202

# 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.



35.1399, 47.3684, 42.5624



53.0566, 47.3684, 79.0197



42.6140, 47.3684, 26.1432

# Square

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



53.0566, 47.3684, 79.0197



53.7937, 47.3684, 32.7310



37.8429, 47.3684, 31.3598



37.2602, 47.3684, 76.5430



# Rectangle

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



53.0566, 47.3684, 79.0197



57.1875, 47.3684, 50.1183



37.8429, 47.3684, 31.3598



34.7175, 47.3684, 53.0619

# Sweetspot

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



53.0581, 47.3704, 79.0207



86.8589, 87.7131, 106.9601



50.2364, 53.3557, 80.3248



18.4465, 18.5584, 22.8598



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.



53.0581, 47.3704, 79.0207



64.2596, 54.8234, 101.8029



59.5981, 50.8008, 76.6660



14.3673, 14.2916, 18.1456



13.5654, 6.0591, 42.8377



1.1083, 0.5023, 3.1705



# Inverse Universe

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



56.0934, 49.3989, 58.2106



69.0539, 58.0177, 69.3758



51.9771, 66.6820, 50.5539



14.6321, 14.4700, 16.2631



19.7971, 10.0531, 7.8265

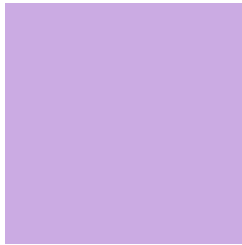


1.5087, 0.7612, 0.8193



# Previews

## White Background



This preview shows how the XYZ color 53.0566, 47.3684, 79.0197 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

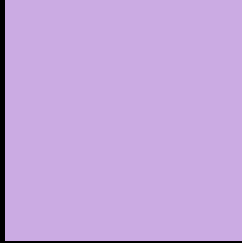
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.0566, 47.3684, 79.0197 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

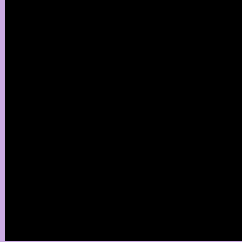
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 53.0566, 47.3684, 79.0197**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.0566, 47.3684, 79.0197.



This preview shows how white text looks on a background with the XYZ color 53.0566, 47.3684,



# 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

53.0566, 47.3684, 79.0197

### Protanopia

47.9527, 47.5343, 84.4896

### Deuteranopia

48.5331, 47.3797, 77.8214



## Tritanopia

48.3503, 47.4727, 55.9050

# Trichromacy



## Original Color

53.0566, 47.3684, 79.0197

## Protanomaly

49.4373, 47.1589, 82.0983

## Deuteranomaly

49.9918, 47.2330, 78.4335

## Tritanomaly

49.7822, 47.1617, 63.6061

# Monochromacy



## Original Color

53.0566, 47.3684, 79.0197

## Achromatopsia

47.2335, 49.6933, 54.1160

## Achromatomaly

49.1769, 48.6495, 62.6755

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.0566, 47.3684, 79.0197 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(203, 171, 227)` looks like.

```
.text, #text, p{  
    color:rgb(203, 171, 227)  
}
```

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(203, 171, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 171, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 53.0566, 47.3684, 79.0197 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(203, 171, 227) }
```



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

```
.border{ border-color:rgb(203, 171, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 171, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 171, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 171, 227);  
box-shadow:4px 4px 4px 4px rgb(203, 171,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.0566, 47.3684, 79.0197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 171, 227) }
```

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

```
.background{ background-color: rgb(203,  
171, 227) }
```

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](#).

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