

# Converting Colors

XYZ(63.5697, 54.0997, 98.3632)

Have a look what the booklet for  
XYZ(63.5697, 54.0997, 98.3632)  
contains.

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# Color

**XYZ(63.5662, 54.0973,  
98.3583)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DFB1FB
RGB	223, 177, 251
RGB Percent	87%, 69%, 98%
CMY	0.1255, 0.3059, 0.0157
CMYK	0.11, 0.29, 0.00, 0.02
HSL	277°, 90%, 84%
HSV	277°, 29%, 98%
XYZ	63.5662, 54.0973, 98.3583
YIQ	199.1900, 3.6620, 32.7660

# Conversions

## Conversions Part 2

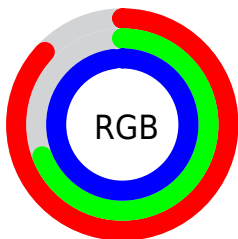
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">223, 177, 251</a>
Decimal	<a href="#">14660091</a>
CIELab	<a href="#">78.52, 29.85, -30.37</a>
CIELCh	<a href="#">79, 42.583, 314.498</a>
Yxy	<a href="#">54.0973, 0.2943, 0.2504</a>
Android (android.graphics.Color)	<a href="#">4292850171 (0xFFDFB1FB)</a>
YUV	<a href="#">199.1900, 25.5423, 20.8814</a>
Hunter-Lab	<a href="#">73.5509, 25.5543, -27.8019</a>

# Details

The XYZ color **63.5662, 54.0973, 98.3583** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **67.6115, 85.1491, 54.4693**, and the grayscale version is **54.2509, 57.0762, 62.1560**.

A 20% lighter version of the original color is **88.4289, 86.7578, 106.6930**, and **32.8816, 26.5258, 54.4259** is the 20% darker color. If you saturate the color by 10%, you get **56.2128, 43.6124, 96.7229**, and if you desaturate by 10%, it is **71.9990, 66.4949, 100.3077**.

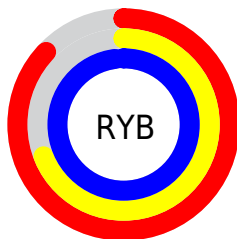
# Distribution



Red (87%)

Green (69%)

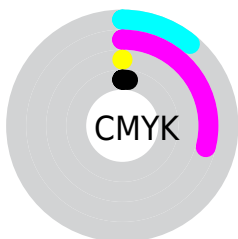
Blue (98%)



Red (87%)

Yellow (69%)

Blue (98%)

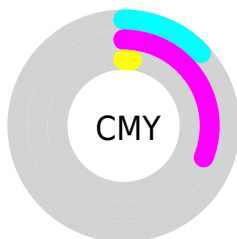


Cyan (11%)

Magenta (29%)

Yellow (0%)

Black (2%)



Cyan (13%)

Magenta (31%)


Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.5662, 54.0973, 98.3583 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 63.5662, 54.0973, 98.3583 by changing the saturation by 10% instead.




 63.5662, 54.0973,  
98.3583

 63.5662, 54.0973,  
98.3583


427.2485,  
402.4809, 576.1180

 46.5598, 38.6795,  
74.3210


 109.0632, 96.2171,  
160.9314

 32.8943, 26.5105,  
54.5584


138.2845,  
123.6878, 200.3043

 22.2043, 17.2059,  
38.6521


172.3081,  
155.9450, 245.6261

 14.1245, 10.3814,  
26.1834

211.4994,  
193.3730, 297.3154

 8.2896, 5.6526,  
16.7339

256.2237,  
236.3562, 355.7907

 4.3342, 2.6350,  
9.8850

306.8464,

 1.8929, 0.9443,

285.2790, 421.4705

5.2182

363.7329,  
340.5257, 494.7734

■ 0.5727, 0.0000,  
2.3149

■ 0.0000, 0.0000,  
0.7395

■ 63.5662, 54.0973,  
98.3583

■ 63.5662, 54.0973,  
98.3583

■ 56.2128, 43.6124,  
96.7229

■ 71.9990, 66.4949,  
100.3077

■ 49.8808, 34.9318,  
95.3811

■ 81.5548, 80.8921,  
102.5830

■ 44.5145, 27.9468,  
94.3157

■ 92.2810, 97.3788,  
105.1999

■ 40.0497, 22.5335,  
93.5062

■ 94.4127, 99.7451,  
105.5443

■ 36.4139, 18.5508,  
92.9291

■ 33.5209, 15.8309,  
92.5565

■ 31.2382, 14.1134,  
92.3453

■ 31.1284, 14.0358,  
92.3362

# Harmonies

## Analogous

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



55.5607, 54.0973, 115.8707



63.5662, 54.0973, 98.3583



68.5716, 54.0973, 72.1262

# Triad

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



63.5662, 54.0973, 98.3583



55.8486, 54.0973, 24.6711



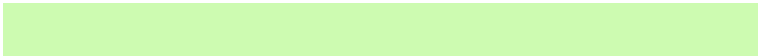
37.3346, 54.0973, 71.2350

# Complementary

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



63.5662, 54.0973, 98.3583



67.6115, 85.1491, 54.4693

# 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.



37.3937, 54.0973, 47.4032



63.5662, 54.0973, 98.3583



47.4863, 54.0973, 24.5541

# Square

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



63.5662, 54.0973, 98.3583



63.7967, 54.0973, 32.1049



40.9252, 54.0973, 31.7245



40.7538, 54.0973, 97.5549



# Rectangle

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



63.5662, 54.0973, 98.3583



69.2242, 54.0973, 55.3554



40.9252, 54.0973, 31.7245



36.9612, 54.0973, 62.5986

# Sweetspot

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



63.5680, 54.0996, 98.3595



85.0377, 84.6114, 106.4574



57.4652, 60.1526, 99.8495



17.8751, 17.6136, 22.7076



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.



63.5680, 54.0996, 98.3595



61.5296, 49.8099, 100.9790



71.5895, 58.3885, 91.7915



17.3196, 17.1774, 21.7880



16.5293, 7.4638, 48.5430



1.6486, 0.7520, 4.5014



# Inverse Universe

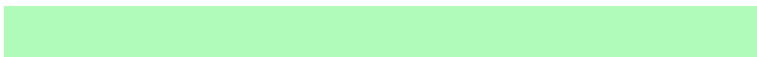
The Inverse Universe completely reimagines the original color for something new.



66.5269, 56.3635, 65.1326



65.2002, 52.5894, 61.0644



61.4545, 81.8724, 58.8166



17.5163, 17.3339, 19.3086



22.0621, 11.2406, 7.0356

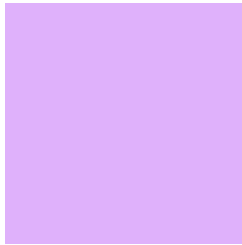


2.0930, 1.0610, 0.9133



# Previews

## White Background



This preview shows how the XYZ color 63.5662, 54.0973, 98.3583 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

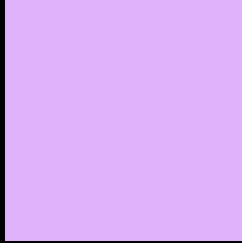
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.5662, 54.0973, 98.3583 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

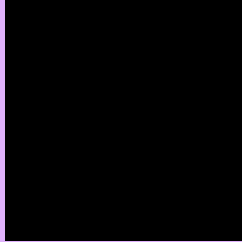
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 63.5662, 54.0973, 98.3583**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.5662, 54.0973, 98.3583.



This preview shows how white text looks on a background with the XYZ color 63.5662, 54.0973,



# 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

63.5662, 54.0973, 98.3583

### Protanopia

55.0311, 54.2664, 102.1818

### Deuteranopia

55.5817, 54.3532, 96.3687



## Tritanopia

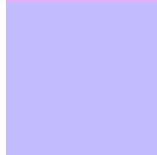
56.3373, 54.2048, 62.7516

# Trichromacy



## Original Color

63.5662, 54.0973, 98.3583



## Protanomaly

57.9079, 54.1657, 101.1689



## Deuteranomaly

58.2110, 54.0995, 96.9967



## Tritanomaly

58.6331, 53.8869, 74.3287

# Monochromacy



## Original Color

63.5662, 54.0973, 98.3583



## Achromatopsia

54.2854, 57.1125, 62.1955



## Achromatomaly

57.2981, 55.7335, 74.0674

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.5662, 54.0973, 98.3583 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(223, 177, 251)` looks like.

```
.text, #text, p{  
    color:rgb(223, 177, 251)  
}
```

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(223, 177, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 177, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 63.5662, 54.0973, 98.3583 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(223, 177, 251) }
```



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

```
.border{ border-color:rgb(223, 177, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 177, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 177, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 177, 251);  
box-shadow:4px 4px 4px 4px rgb(223, 177,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.5662, 54.0973, 98.3583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 177, 251) }
```

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

```
.background{ background-color: rgb(223,  
177, 251) }
```

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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