

# Converting Colors

XYZ(59.0936, 53.2869, 74.2583)

Have a look what the booklet for  
XYZ(59.0936, 53.2869, 74.2583)  
contains.

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# Color

**XYZ(58.9262, 53.1291,  
74.1670)**

# Conversions

Conversions Part 1	
Format	Color
Hex	DDB4DB
RGB	221, 180, 219
RGB Percent	87%, 71%, 86%
CMY	0.1333, 0.2941, 0.1412
CMYK	0.00, 0.19, 0.01, 0.13
HSL	303°, 38%, 79%
HSV	303°, 19%, 87%
XYZ	58.9262, 53.1291, 74.1670
YIQ	196.7050, 11.9170, 20.8210

# Conversions

## Conversions Part 2

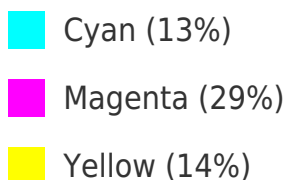
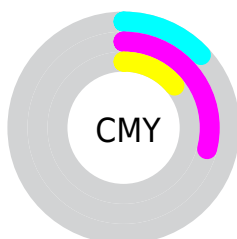
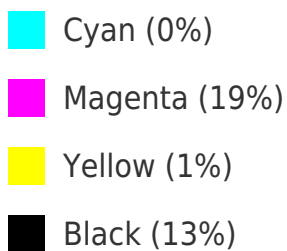
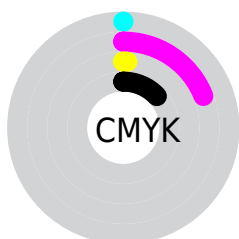
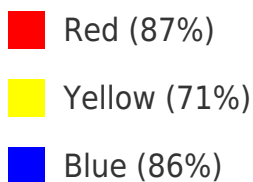
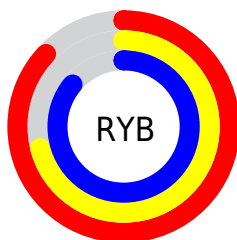
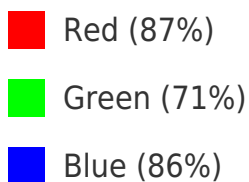
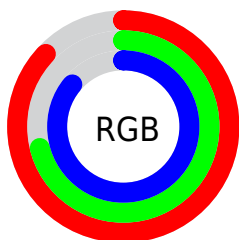
Format	Color
<a href="#">RYB</a>	<a href="#">221, 180, 219</a>
Decimal	<a href="#">14529755</a>
CIELab	<a href="#">77.95, 21.38, -13.99</a>
CIELCh	<a href="#">78, 25.551, 326.806</a>
Yxy	<a href="#">53.1291, 0.3164, 0.2853</a>
Android (android.graphics.Color)	<a href="#">4292719835</a> <a href="#">(0xFFDDB4DB)</a>
YUV	<a href="#">196.7050, 10.9914, 21.3067</a>
Hunter-Lab	<a href="#">72.8897, 16.7477, -9.3062</a>

# Details

The XYZ color **58.9262, 53.1291, 74.1670** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **53.1244, 64.7951, 53.9656**, and the grayscale version is **52.8252, 55.5762, 60.5225**.

A 20% lighter version of the original color is **89.2855, 88.4709, 106.9785**, and **30.0161, 25.9661, 38.5519** is the 20% darker color. If you saturate the color by 10%, you get **54.6746, 44.8515, 72.0522**, and if you desaturate by 10%, it is **63.8932, 62.8343, 76.5260**.

# Distribution





# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.9262, 53.1291, 74.1670 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 58.9262, 53.1291, 74.1670 by changing the saturation by 10% instead.





 58.9262, 53.1291,  
74.1670

 58.9262, 53.1291,  
74.1670


410.5268,  
398.7802, 494.2284

 42.7999, 37.9058,  
54.4331


 102.3856, 94.7943,  
126.8687

 29.9219, 25.9096,  
38.5525


130.4494,  
122.0051, 160.6737

 19.9271, 16.7560,  
26.1066


163.2231,  
153.9804, 200.0061

 12.4500, 10.0607,  
16.6770

201.0720,  
191.1048, 245.2844

 7.1253, 5.4392,  
9.8449

244.3614,  
233.7625, 296.9273

 3.5876, 2.5072,  
5.1920


293.4568,


 1.4716, 0.8802,


282.3381, 355.3532


2.2996


348.7235,  
337.2159, 420.9807


 0.3064, 0.0000,  
0.7310


 0.0000, 0.0000,  
0.0000


 58.9262, 53.1291,  
74.1670


 58.9262, 53.1291,  
74.1670


 54.6746, 44.8515,  
72.0522


 63.8932, 62.8343,  
76.5260


 51.1000, 37.9274,  
70.1671


 69.6022, 74.0229,  
79.1362


 48.1677, 32.2862,  
68.5005


 76.0844, 86.7564,  
82.0088


 45.8378, 27.8486,  
67.0393


 78.9409, 92.2371,  
83.6773


 44.0663, 24.5260,  
65.7687


 79.0871, 92.2955,  
84.4470


 42.8028, 22.2182,  
64.6719


 79.2342, 92.3543,  
85.2215


 41.9881, 20.8066,  
63.7292

 79.3822, 92.4136,  
86.0010

 41.5336, 20.1138,  
62.9111

 79.5311, 92.4731,  
86.7853

 41.4793, 20.0364,  
62.7967

 79.6810, 92.5331,  
87.5746

# Harmonies

## Analogous

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



54.9321, 53.1291, 85.8829



58.9262, 53.1291, 74.1670



60.6552, 53.1291, 59.3871

# Triad

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



58.9262, 53.1291, 74.1670



51.0320, 53.1291, 34.5949



42.4377, 53.1291, 71.0930

# Complementary

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



58.9262, 53.1291, 74.1670



53.1244, 64.7951, 53.9656

# 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.



41.5425, 53.1291, 56.3368



58.9262, 53.1291, 74.1670



46.3084, 53.1291, 36.6939

# Square

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



58.9262, 53.1291, 74.1670



55.9135, 53.1291, 37.8314



42.9137, 53.1291, 44.1186



45.4433, 53.1291, 83.9135



# Rectangle

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



58.9262, 53.1291, 74.1670



60.2117, 53.1291, 50.2889



42.9137, 53.1291, 44.1186



41.8889, 53.1291, 66.1302

# Sweetspot

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



58.9278, 53.1314, 74.1681



90.2419, 90.5757, 106.7055



48.5169, 47.7338, 75.0640



19.2084, 19.1772, 22.7899



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.



58.9278, 53.1314, 74.1681



79.2528, 69.1058, 101.4756



56.4661, 52.1468, 61.2053



13.5855, 13.2633, 16.3445



24.1082, 11.6443, 36.5454



1.5705, 0.7578, 2.4130



# Inverse Universe

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



58.9278, 53.1314, 74.1681



79.2528, 69.1058, 101.4756



55.3256, 65.6756, 65.5570



13.5855, 13.2633, 16.3445



24.1082, 11.6443, 36.5454

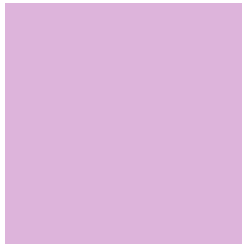


1.5705, 0.7578, 2.4130



# Previews

## White Background



This preview shows how the XYZ color 58.9262, 53.1291, 74.1670 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

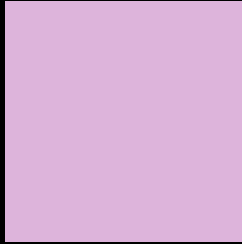
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.9262, 53.1291, 74.1670 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 58.9262, 53.1291, 74.1670**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.9262, 53.1291, 74.1670.



This preview shows how white text looks on a background with the XYZ color 58.9262, 53.1291,



# 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

58.9262, 53.1291, 74.1670

### Protanopia

52.6080, 53.1917, 79.4458

### Deuteranopia

54.3270, 53.2556, 73.0616



## Tritanopia

56.2470, 53.2636, 60.7425

# Trichromacy



**Original Color**  
58.9262, 53.1291, 74.1670

**Protanomaly**  
54.6428, 53.0105, 77.1641

**Deuteranomaly**  
56.0163, 53.1698, 73.6401

**Tritanomaly**  
57.2875, 53.3833, 65.6771

# Monochromacy



**Original Color**  
58.9262, 53.1291, 74.1670

**Achromatopsia**  
53.0703, 55.8340, 60.8033

**Achromatomaly**  
55.1038, 54.7912, 65.4291

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.9262, 53.1291, 74.1670 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(221, 180, 219) looks like.

```
.text, #text, p{  
    color:rgb(221, 180, 219)  
}
```

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(221, 180, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 180, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 58.9262, 53.1291, 74.1670 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(221, 180, 219) }
```



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

```
.border{ border-color:rgb(221, 180, 219) }
```

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

Here you see how a box with a 4 pixel rgb(221, 180, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 180, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 180, 219);  
box-shadow:4px 4px 4px 4px rgb(221, 180,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.9262, 53.1291, 74.1670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 180, 219) }
```

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

```
.background{ background-color: rgb(221,  
180, 219) }
```

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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