

# Converting Colors

XYZ(59.3097, 52.2243, 81.7356)

Have a look what the booklet for  
XYZ(59.3097, 52.2243, 81.7356)  
contains.

<b>XYZ(59.2185, 52.2175, 81.8207)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(59.2185, 52.2175,  
81.8207)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBB1E6
RGB	219, 177, 230
RGB Percent	86%, 69%, 90%
CMY	0.1412, 0.3059, 0.0980
CMYK	0.05, 0.23, 0.00, 0.10
HSL	288°, 51%, 80%
HSV	288°, 23%, 90%
XYZ	59.2185, 52.2175, 81.8207
YIQ	195.6000, 8.0190, 25.3870

# Conversions

## Conversions Part 2

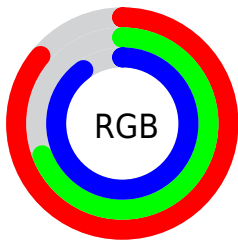
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	219, 177, 230
Decimal	14397926
CIE Lab	77.41, 24.42, -20.78
CIE LCh	77, 32.059, 319.603
Yxy	52.2175, 0.3064, 0.2702
Android (android.graphics.Color)	4292588006 (0xFFDDBB1E6)
YUV	195.6000, 16.9592, 20.5218
Hunter-Lab	72.2617, 19.8230, -16.5499

# Details

The XYZ color **59.2185, 52.2175, 81.8207** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **56.9734, 70.4606, 52.1949**, and the grayscale version is **52.1296, 54.8444, 59.7256**.

A 20% lighter version of the original color is **88.4289, 86.7578, 106.6930**, and **30.1575, 25.3638, 43.3506** is the 20% darker color. If you saturate the color by 10%, you get **53.6377, 43.1565, 80.3667**, and if you desaturate by 10%, it is **65.6094, 62.8355, 83.5341**.

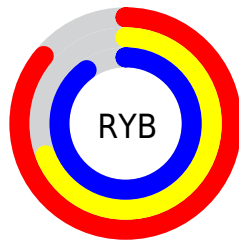
# Distribution



Red (86%)

Green (69%)

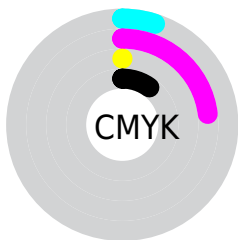
Blue (90%)



Red (86%)

Yellow (69%)

Blue (90%)

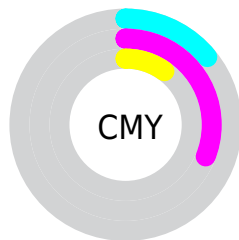


Cyan (5%)

Magenta (23%)

Yellow (0%)

Black (10%)



Cyan (14%)

Magenta (31%)

Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.2185, 52.2175, 81.8207 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 59.2185, 52.2175, 81.8207 by changing the saturation by 10% instead.



■ 59.2185, 52.2175,  
81.8207

■ 59.2185, 52.2175,  
81.8207

411.5922,  
395.2757, 520.9154

■ 43.0361, 37.1785,  
60.6828

■ 102.8080, 93.4519,  
137.7570

■ 30.1081, 25.3457,  
43.5403

130.9457,  
120.4161, 173.3924

■ 20.0691, 16.3348,  
29.9748

163.7993,  
152.1241, 214.6974

■ 12.5538, 9.7614,  
19.5675

201.7341,  
188.9604, 262.0906

■ 7.1969, 5.2410,  
11.9001

245.1154,  
231.3093, 315.9904

■ 3.6330, 2.3894,  
6.5540

294.3087,

■ 1.4967, 0.8204,

279.5552, 376.8155

3.1106

349.6791,  
334.0826, 444.9843

■ 0.3236, 0.0000,  
1.1514

■ 0.0000, 0.0000,  
0.0000

■ 59.2185, 52.2175,  
81.8207

■ 59.2185, 52.2175,  
81.8207

■ 53.6377, 43.1565,  
80.3667

■ 65.6094, 62.8355,  
83.5341

■ 48.8233, 35.5688,  
79.1558

■ 72.8414, 75.0751,  
85.5155

■ 44.7351, 29.3731,  
78.1754

■ 80.9501, 89.0058,  
87.7770

■ 41.3266, 24.4775,  
77.4101

■ 85.3353, 95.4270,  
88.7853

■ 38.5462, 20.7789,  
76.8428

■ 86.9603, 96.2647,  
88.8613

■ 36.3341, 18.1582,  
76.4535

■ 88.6281, 97.1246,  
88.9394

■ 34.6179, 16.4714,  
76.2184

■ 90.3391, 98.0066,  
89.0194

■ 33.6372, 15.6906,  
76.1194

■ 91.2831, 98.4932,  
89.0636

# Harmonies

## Analogous

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



53.7159, 52.2175, 95.2136



59.2185, 52.2175, 81.8207



62.2290, 52.2175, 63.2059

# Triad

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



59.2185, 52.2175, 81.8207



51.8015, 52.2175, 29.5723



39.2797, 52.2175, 69.0251

# Complementary

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



59.2185, 52.2175, 81.8207



56.9734, 70.4606, 52.1949

# 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.



38.8598, 52.2175, 50.9463



59.2185, 52.2175, 81.8207



45.7589, 52.2175, 30.4940

# Square

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



59.2185, 52.2175, 81.8207



57.7176, 52.2175, 34.7201



41.1388, 52.2175, 37.5685



42.3376, 52.2175, 86.8318



# Rectangle

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



59.2185, 52.2175, 81.8207



62.2621, 52.2175, 51.3778



41.1388, 52.2175, 37.5685



38.8356, 52.2175, 62.7104

# Sweetspot

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



59.2201, 52.2197, 81.8218



88.2678, 88.4394, 107.0260



50.5031, 51.2359, 82.0914



18.7732, 18.7268, 22.8751



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.



59.2201, 52.2197, 81.8218



71.1042, 59.8920, 102.4205



60.6204, 53.1749, 71.3489



14.6869, 14.4563, 18.1606



19.1479, 8.9370, 43.0990



1.4888, 0.6985, 3.1883



# Inverse Universe

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



57.4341, 51.9003, 54.5698



68.5389, 59.4716, 61.5465



55.9463, 69.7485, 60.3951



14.4987, 14.4167, 15.5608



18.8097, 9.6581, 2.6269



1.4233, 0.7270, 0.3695



# Previews

## White Background



This preview shows how the XYZ color 59.2185, 52.2175, 81.8207 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

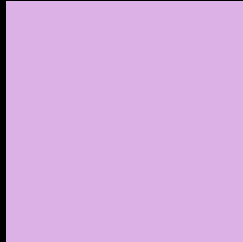
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.2185, 52.2175, 81.8207 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

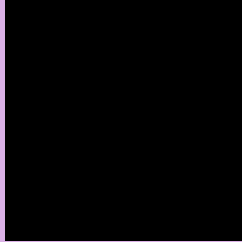
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 59.2185, 52.2175, 81.8207

## Background



This preview shows how black text looks on a background with the XYZ color 59.2185, 52.2175, 81.8207.



This preview shows how white text looks on a background with the XYZ color 59.2185, 52.2175,



# 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

59.2185, 52.2175, 81.8207

### Protanopia

52.8158, 52.7622, 89.0618

### Deuteranopia

53.5121, 52.3486, 80.6827



## Tritanopia

54.7431, 52.1943, 60.0126

# Trichromacy



## Original Color

59.2185, 52.2175, 81.8207

## Protanomaly

54.7374, 52.2234, 86.5520

## Deuteranomaly

55.4335, 52.0807, 81.2597

## Tritanomaly

56.3514, 52.2501, 67.4368

# Monochromacy



## Original Color

59.2185, 52.2175, 81.8207

## Achromatopsia

52.4687, 55.2011, 60.1140

## Achromatomaly

54.4846, 53.7866, 67.1847

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.2185, 52.2175, 81.8207 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(219, 177, 230)` looks like.

```
.text, #text, p{  
    color:rgb(219, 177, 230)  
}
```

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(219, 177, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 177, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 59.2185, 52.2175, 81.8207 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(219, 177, 230) }
```



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

```
.border{ border-color:rgb(219, 177, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 177, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 177, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 177, 230);  
box-shadow:4px 4px 4px 4px rgb(219, 177,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.2185, 52.2175, 81.8207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 177, 230) }
```

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

```
.background{ background-color: rgb(219,  
177, 230) }
```

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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