

# Converting Colors

XYZ(59.2288, 49.3251, 78.3676)

Have a look what the booklet for  
XYZ(59.2288, 49.3251, 78.3676)  
contains.

<b>XYZ(59.2247, 49.4593, 78.3766)</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(59.2247, 49.4593,  
78.3766)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E3A7E2
RGB	227, 167, 226
RGB Percent	89%, 65%, 89%
CMY	0.1098, 0.3451, 0.1137
CMYK	0.00, 0.26, 0.00, 0.11
HSL	301°, 52%, 77%
HSV	301°, 26%, 89%
XYZ	59.2247, 49.4593, 78.3766
YIQ	191.6660, 16.8210, 31.0690

# Conversions

## Conversions Part 2

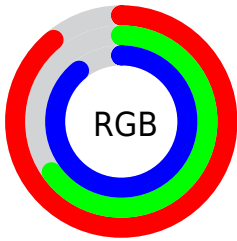
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	227, 167, 226
Decimal	14919650
CIE Lab	75.74, 31.65, -21.08
CIE LCh	76, 38.023, 326.339
Yxy	49.4593, 0.3166, 0.2644
Android (android.graphics.Color)	4293109730 (0xFFE3A7E2)
YUV	191.6660, 16.9267, 30.9879
Hunter-Lab	70.3273, 27.2473, -16.8469

# Details

The XYZ color **59.2247, 49.4593, 78.3766** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **50.4753, 65.9823, 47.1240**, and the grayscale version is **49.8072, 52.4011, 57.0648**.

A 20% lighter version of the original color is **85.6777, 81.2554, 105.7759**, and **30.1626, 23.6328, 41.4999** is the 20% darker color. If you saturate the color by 10%, you get **55.3742, 41.8404, 76.8377**, and if you desaturate by 10%, it is **63.8083, 58.5423, 80.1616**.

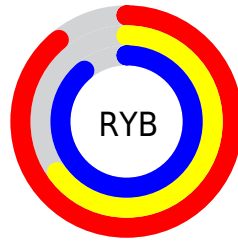
# Distribution



Red (89%)

Green (65%)

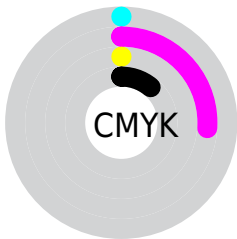
Blue (89%)



Red (89%)

Yellow (65%)

Blue (89%)

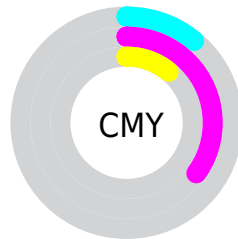


Cyan (0%)

Magenta (26%)

Yellow (0%)

Black (11%)



Cyan (11%)

Magenta (35%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.2247, 49.4593, 78.3766 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 59.2247, 49.4593, 78.3766 by changing the saturation by 10% instead.



59.2247, 49.4593,  
78.3766

59.2247, 49.4593,  
78.3766

411.6148,  
384.5477, 509.0066

43.0411, 34.9840,  
57.8651

102.8169, 89.3732,  
132.8716

30.1120, 23.6505,  
41.2862

130.9563,  
115.5806, 167.6921

20.0721, 15.0746,  
28.2214

163.8116,  
146.4675, 208.1195

12.5561, 8.8717,  
18.2521

201.7482,  
182.4182, 254.5721

7.1984, 4.6576,  
10.9599

245.1314,  
223.8172, 307.4686

3.6339, 2.0478,  
5.9260

294.3267,

1.4972, 0.6350,

271.0488, 367.2275

2.7321

349.6994,  
324.4975, 434.2673

■ 0.3239, 0.0000,  
0.9595

■ 0.0000, 0.0000,  
0.0000

■ 59.2247, 49.4593,  
78.3766

■ 59.2247, 49.4593,  
78.3766

■ 55.3742, 41.8404,  
76.8377

■ 63.8083, 58.5423,  
80.1616

■ 52.2140, 35.6029,  
75.5288

■ 69.1557, 69.1537,  
82.2011

■ 49.7041, 30.6657,  
74.4373

■ 75.3015, 81.3618,  
84.5074

■ 47.7982, 26.9365,  
73.5478

■ 81.3753, 93.4256,  
86.7903

46.4445, 24.3113,  
72.8428

81.4278, 93.4466,  
87.0666

45.5818, 22.6681,  
72.3021

81.4804, 93.4677,  
87.3435

45.1337, 21.8537,  
71.9001

81.5331, 93.4888,  
87.6210

45.0275, 21.6705,  
71.7746

81.5859, 93.5099,  
87.8992

81.6388, 93.5311,  
88.1779

# Harmonies

## Analogous

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



53.2868, 49.4593, 96.6974



59.2247, 49.4593, 78.3766



61.8837, 49.4593, 56.3713

# Triad

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



59.2247, 49.4593, 78.3766



47.8809, 49.4593, 23.6483



35.8733, 49.4593, 72.9880

# Complementary

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



59.2247, 49.4593, 78.3766



50.4753, 65.9823, 47.1240

# 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.



34.7330, 49.4593, 51.4104



59.2247, 49.4593, 78.3766



41.2457, 49.4593, 26.0062

# Square

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



59.2247, 49.4593, 78.3766



54.9342, 49.4593, 27.5629



36.6013, 49.4593, 35.0661



39.8862, 49.4593, 93.0794



# Rectangle

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



59.2247, 49.4593, 78.3766



61.2612, 49.4593, 43.6491



36.6013, 49.4593, 35.0661



35.1597, 49.4593, 65.5343

# Sweetspot

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



59.2262, 49.4615, 78.3777



88.8292, 87.6460, 106.5565



43.8345, 41.5108, 78.3761



18.7788, 18.2949, 22.7185



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.



59.2262, 49.4615, 78.3777



74.0921, 58.4335, 100.8371



55.4628, 47.9561, 58.5598



14.9842, 14.6109, 18.1172



26.2645, 12.6400, 41.8831



1.9442, 0.9354, 3.1126



# Inverse Universe

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



59.2262, 49.4615, 78.3777



74.0921, 58.4335, 100.8371



53.6003, 67.2323, 63.5801



14.9842, 14.6109, 18.1172



26.2645, 12.6400, 41.8831



1.9442, 0.9354, 3.1126



# Previews

## White Background



This preview shows how the XYZ color 59.2247, 49.4593, 78.3766 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

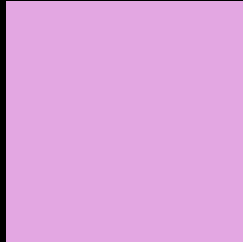
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.2247, 49.4593, 78.3766 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

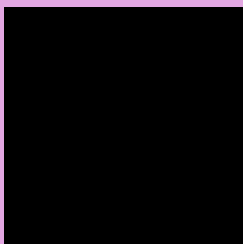
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 59.2247, 49.4593, 78.3766**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.2247, 49.4593, 78.3766.



This preview shows how white text looks on a background with the XYZ color 59.2247, 49.4593,



# 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

59.2247, 49.4593, 78.3766

### Protanopia

50.1625, 49.8142, 88.6326

### Deuteranopia

50.7463, 49.7595, 76.7420



## Tritanopia

54.3374, 49.4325, 54.2545

# Trichromacy



## Original Color

59.2247, 49.4593, 78.3766



## Protanomaly

52.7640, 49.1188, 84.5418



## Deuteranomaly

53.5338, 49.3827, 77.2313



## Tritanomaly

55.9640, 49.2374, 62.4313

# Monochromacy



## Original Color

59.2247, 49.4593, 78.3766



## Achromatopsia

50.1023, 52.7115, 57.4028



## Achromatomaly

53.0094, 51.2057, 64.2165

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.2247, 49.4593, 78.3766 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(227, 167, 226)` looks like.

```
.text, #text, p{  
    color:rgb(227, 167, 226)  
}
```

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(227, 167, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 167, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 59.2247, 49.4593, 78.3766 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(227, 167, 226) }
```



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

```
.border{ border-color:rgb(227, 167, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 167, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 167, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 167, 226); box-shadow:4px 4px 4px 4px rgb(227, 167, 226) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.2247, 49.4593, 78.3766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 167, 226) }
```

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

```
.background{ background-color: rgb(227,  
167, 226) }
```

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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