

# Converting Colors

XYZ(59.3864, 44.3106, 99.2936)

Have a look what the booklet for  
XYZ(59.3864, 44.3106, 99.2936)  
contains.

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# Color

**XYZ(59.2198, 44.1829,  
99.1729)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E094FE
RGB	224, 148, 254
RGB Percent	88%, 58%, 100%
CMY	0.1216, 0.4196, 0.0039
CMYK	0.12, 0.42, 0.00, 0.00
HSL	283°, 98%, 79%
HSV	283°, 42%, 100%
XYZ	59.2198, 44.1829, 99.1729
YIQ	182.8080, 11.2700, 49.0780

# Conversions

## Conversions Part 2

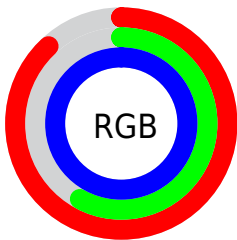
Format	Color
R <sub>Y</sub> B	224, 148, 254
Decimal	14718206
CIE Lab	72.35, 46.23, -41.54
CIE LCh	72, 62.151, 318.058
Yxy	44.1829, 0.2923, 0.2181
Android (android.graphics.Color)	4292908286 (0xFFE094FE)
YUV	182.8080, 35.0977, 36.1254
Hunter-Lab	66.4702, 42.7067, -41.9309

# Details

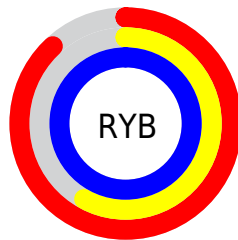
The XYZ color **59.2198, 44.1829, 99.1729** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **59.1486, 82.4878, 40.8232**, and the grayscale version is **44.7156, 47.0443, 51.2313**.

A 20% lighter version of the original color is **80.6459, 71.1919, 104.0986**, and **30.1066, 20.4311, 55.1801** is the 20% darker color. If you saturate the color by 10%, you get **53.4834, 35.9470, 97.8862**, and if you desaturate by 10%, it is **65.9275, 54.2191, 100.7573**.

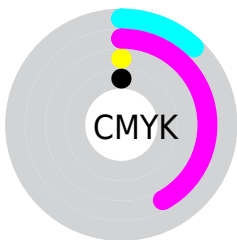
# Distribution



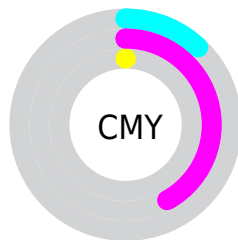
- Red (88%)
- Green (58%)
- Blue (100%)



- Red (88%)
- Yellow (58%)
- Blue (100%)



- Cyan (12%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (42%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.2198, 44.1829, 99.1729 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 59.2198, 44.1829, 99.1729 by changing the saturation by 10% instead.



59.2198, 44.1829,  
99.1729

59.2198, 44.1829,  
99.1729

411.5969,  
363.4541, 578.7617

43.0371, 30.8143,  
74.9969

102.8099, 81.4929,  
162.0620

30.1089, 20.4575,  
55.1087

130.9480,  
106.2031, 201.6123

20.0697, 12.7280,  
39.0895

163.8019,  
135.4626, 247.1244

12.5543, 7.2415,  
26.5210

201.7371,  
169.6559, 299.0169

7.1972, 3.6136,  
16.9846

245.1188,  
209.1673, 357.7084

3.6332, 1.4599,  
10.0617

294.3125,

1.4968, 0.2602,

254.3812, 423.6173

5.3337

349.6834,  
305.6820, 497.1622

■ 0.3236, 0.0000,  
2.3822

■ 0.0000, 0.0000,  
0.7767

■ 59.2198, 44.1829,  
99.1729

■ 59.2198, 44.1829,  
99.1729

■ 53.4834, 35.9470,  
97.8862

■ 65.9275, 54.2191,  
100.7573

■ 48.6548, 29.3897,  
96.8751

■ 73.6556, 66.1558,  
102.6540

■ 44.6696, 24.3828,  
96.1187

■ 82.4550, 80.0922,  
104.8802

■ 41.4521, 20.7767,  
95.5922

■ 92.3721, 96.1189,  
107.4509

■ 38.9114, 18.3912,  
95.2657

94.8895, 99.9358,  
108.0550

■ 37.2080, 17.1149,  
95.1091

# Harmonies

## Analogous

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



48.6959, 44.1829, 128.6163



59.2198, 44.1829, 99.1729



65.4932, 44.1829, 61.3495

# Triad

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



59.2198, 44.1829, 99.1729



46.3942, 44.1829, 10.4342



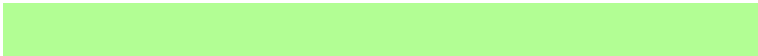
25.3228, 44.1829, 68.7668

# Complementary

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



59.2198, 44.1829, 99.1729



59.1486, 82.4878, 40.8232

# 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.



24.9197, 44.1829, 36.9231



59.2198, 44.1829, 99.1729



35.9380, 44.1829, 11.0323

# Square

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



59.2198, 44.1829, 99.1729



57.2904, 44.1829, 16.2558



28.4823, 44.1829, 18.5078



29.6967, 44.1829, 106.5446



# Rectangle

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



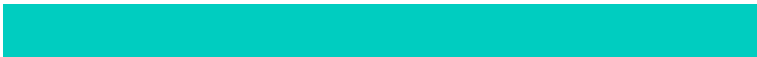
59.2198, 44.1829, 99.1729



65.8191, 44.1829, 40.3164



28.4823, 44.1829, 18.5078



24.7492, 44.1829, 56.8432

# Sweetspot

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



59.2213, 44.1848, 99.1739



82.0036, 78.9067, 105.5162



46.0309, 45.3077, 100.0858



17.1189, 16.1993, 22.4745



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.



59.2213, 44.1848, 99.1739



54.8921, 37.5752, 98.9673



65.8928, 48.0238, 81.4238



18.2622, 18.0269, 22.7670



19.7682, 9.1014, 50.1494



2.0319, 0.9414, 4.8879



# Inverse Universe

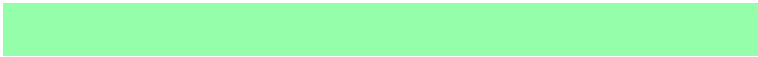
The Inverse Universe completely reimagines the original color for something new.



59.5002, 45.4668, 47.7612



55.5575, 39.2336, 39.5702



55.0036, 80.1197, 51.0790



18.2207, 18.0716, 19.7793



22.2176, 11.3763, 4.5305



2.2077, 1.1254, 0.6750



# Previews

## White Background



This preview shows how the XYZ color 59.2198, 44.1829, 99.1729 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

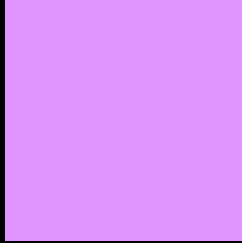
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.2198, 44.1829, 99.1729 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 59.2198, 44.1829, 99.1729**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.2198, 44.1829, 99.1729.



This preview shows how white text looks on a background with the XYZ color 59.2198, 44.1829,



# 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

59.2198, 44.1829, 99.1729

### Protanopia

46.1425, 44.4593, 100.7573

### Deuteranopia

45.7611, 44.6625, 95.8314



## Tritanopia

48.8315, 44.2307, 47.5587

# Trichromacy



## Original Color

59.2198, 44.1829, 99.1729



## Protanomaly

49.8652, 43.5952, 100.3943



## Deuteranomaly

49.6392, 43.8212, 97.1089



## Tritanomaly

52.0329, 43.9558, 63.4995

# Monochromacy



## Original Color

59.2198, 44.1829, 99.1729



## Achromatopsia

45.0092, 47.3531, 51.5676



## Achromatomaly

49.1721, 45.3587, 66.4851

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.2198, 44.1829, 99.1729 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(224, 148, 254)` looks like.

```
.text, #text, p{  
    color:rgb(224, 148, 254)  
}
```

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(224, 148, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 148, 254) }
```

## Border

The CSS property to change the border of an element to XYZ 59.2198, 44.1829, 99.1729 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(224, 148, 254) }
```



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

```
.border{ border-color:rgb(224, 148, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 148, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 148, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 148, 254);  
box-shadow:4px 4px 4px 4px rgb(224, 148,  
254) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.2198, 44.1829, 99.1729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 148, 254) }
```

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

```
.background{ background-color: rgb(224,  
148, 254) }
```

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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