

# Converting Colors

XYZ(59.1472, 47.8185,  
101.1336)

Have a look what the booklet for  
XYZ(59.1472, 47.8185, 101.1336)  
contains.

<b>XYZ(59.1715, 47.8615, 100.7272)</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(59.1715, 47.8615,  
100.7272)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7A3FF
RGB	215, 163, 255
RGB Percent	84%, 64%, 100%
CMY	0.1569, 0.3608, 0.0000
CMYK	0.16, 0.36, 0.00, 0.00
HSL	274°, 100%, 82%
HSV	274°, 36%, 100%
XYZ	59.1715, 47.8615, 100.7272
YIQ	189.0360, 1.4600, 39.6360

# Conversions

## Conversions Part 2

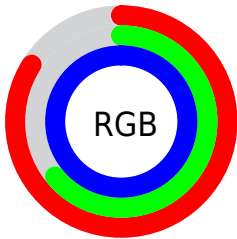
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">215, 163, 255</a>
Decimal	<a href="#">14132223</a>
CIELab	<a href="#">74.74, 35.82, -38.43</a>
CIELCh	<a href="#">75, 52.540, 312.989</a>
Yxy	<a href="#">47.8615, 0.2848, 0.2304</a>
Android (android.graphics.Color)	<a href="#">4292322303 (0xFFD7A3FF)</a>
YUV	<a href="#">189.0360, 32.5203, 22.7704</a>
Hunter-Lab	<a href="#">69.1820, 31.6029, -37.8973</a>

# Details

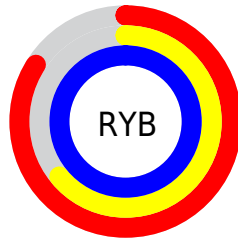
The XYZ color **59.1715, 47.8615, 100.7272** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **67.0005, 86.8613, 47.8871**, and the grayscale version is **48.2111, 50.7219, 55.2361**.

A 20% lighter version of the original color is **84.3614, 78.6228, 105.3371**, and **30.0670, 22.6000, 56.2036** is the 20% darker color. If you saturate the color by 10%, you get **51.9462, 38.0805, 99.2202**, and if you desaturate by 10%, it is **67.5332, 59.5856, 102.5495**.

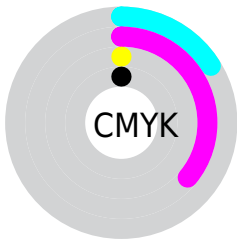
# Distribution



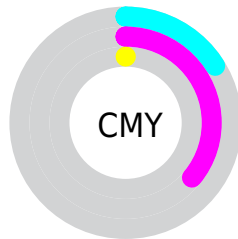
- Red (84%)
- Green (64%)
- Blue (100%)



- Red (84%)
- Yellow (64%)
- Blue (100%)



- Cyan (16%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (36%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.1715, 47.8615, 100.7272 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 59.1715, 47.8615, 100.7272 by changing the saturation by 10% instead.



59.1715, 47.8615,  
100.7272

59.1715, 47.8615,  
100.7272

411.4210,  
378.2429, 583.7882

42.9981, 33.7172,  
76.2877

102.7401, 86.9982,  
164.2167

30.0781, 22.6764,  
56.1604

130.8660,  
112.7593, 204.1039

20.0463, 14.3548,  
39.9267

163.7067,  
143.1616, 249.9774

12.5371, 8.3678,  
27.1680

201.6277,  
178.5893, 302.2557

7.1854, 4.3312,  
17.4659

244.9943,  
219.4269, 361.3574

3.6257, 1.8605,  
10.4018

294.1718,

1.4926, 0.5245,

266.0588, 427.7010

5.5571

349.5256,  
318.8693, 501.7051

■ 0.3208, 0.0000,  
2.5133

■ 0.0000, 0.0000,  
0.8472

■ 59.1715, 47.8615,  
100.7272

■ 59.1715, 47.8615,  
100.7272

■ 51.9462, 38.0805,  
99.2202

■ 67.5332, 59.5856,  
102.5495

■ 45.7933, 30.1243,  
98.0087

■ 77.0816, 73.3503,  
104.7031

■ 40.6487, 23.8701,  
97.0727

■ 87.8691, 89.2534,  
107.2042

■ 36.4385, 19.1772,  
96.3888

95.0500, 100.0000,  
108.9000

■ 33.0770, 15.8811,  
95.9298

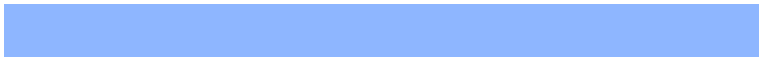
■ 30.4585, 13.7780,  
95.6618

■ 29.5746, 13.1611,  
95.5893

# Harmonies

## Analogous

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



49.7372, 47.8615, 121.8431



59.1715, 47.8615, 100.7272



65.3704, 47.8615, 69.0323

# Triad

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



59.1715, 47.8615, 100.7272



51.0680, 47.8615, 16.3033



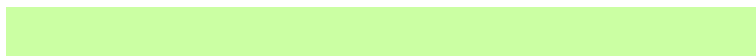
29.8632, 47.8615, 64.8273

# Complementary

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



59.1715, 47.8615, 100.7272



67.0005, 86.8613, 47.8871

# 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.



30.1154, 47.8615, 38.2122



59.1715, 47.8615, 100.7272



41.4935, 47.8615, 15.8677

# Square

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



59.1715, 47.8615, 100.7272



60.2623, 47.8615, 23.8847



34.1004, 47.8615, 22.3689



33.3551, 47.8615, 96.7378



# Rectangle

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



59.1715, 47.8615, 100.7272



66.3651, 47.8615, 49.4230



34.1004, 47.8615, 22.3689



29.5290, 47.8615, 54.8990

# Sweetspot

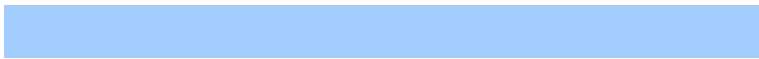
The Sweet Spot groups the original color and five complimentary colors.



59.1730, 47.8634, 100.7275



82.4001, 81.1507, 105.9284



54.8438, 58.3843, 102.9865



17.3262, 16.9120, 22.6011



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.



59.1730, 47.8634, 100.7275



54.0524, 40.8904, 99.6515



71.6562, 54.3833, 97.4922



17.9856, 17.8843, 22.7540



15.6278, 6.9669, 49.9557



1.6470, 0.7430, 4.8699



# Inverse Universe

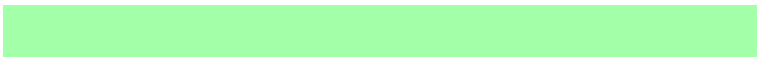
The Inverse Universe completely reimagines the original color for something new.



65.1178, 51.7679, 63.0614



61.0472, 45.4692, 56.0247



57.8963, 82.1194, 49.6520



18.3373, 18.1182, 20.3935



23.1160, 11.7357, 9.2612

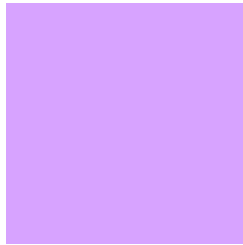


2.3044, 1.1641, 1.1842



# Previews

## White Background



This preview shows how the XYZ color 59.1715, 47.8615, 100.7272 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

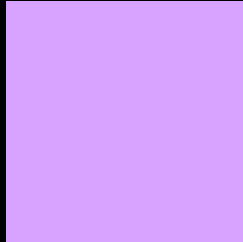
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.1715, 47.8615, 100.7272 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

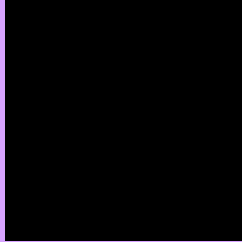
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 59.1715, 47.8615, 100.7272

## Background



This preview shows how black text looks on a background with the XYZ color 59.1715, 47.8615, 100.7272.



This preview shows how white text looks on a background with the XYZ color 59.1715, 47.8615,

100.7272.

# 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

59.1715, 47.8615, 100.7272

### Protanopia

49.4759, 48.2530, 101.3138

### Deuteranopia

49.4504, 48.3134, 97.9859



## Tritanopia

49.9964, 47.7475, 55.2963

# Trichromacy



## Original Color

59.1715, 47.8615, 100.7272



## Protanomaly

52.4360, 47.7037, 101.0518



## Deuteranomaly

52.4291, 47.7555, 98.5499

## Tritanomaly

52.9950, 47.5362, 70.0006

# Monochromacy



## Original Color

59.1715, 47.8615, 100.7272



## Achromatopsia

48.3692, 50.8881, 55.4172



## Achromatomaly

51.6202, 49.4524, 69.7754

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.1715, 47.8615, 100.7272 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(215, 163, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 163, 255)  
}
```

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(215, 163, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 163, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 59.1715, 47.8615, 100.7272 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(215, 163, 255) }
```



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

```
.border{ border-color:rgb(215, 163, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 163, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 163, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 163, 255);  
box-shadow:4px 4px 4px 4px rgb(215, 163,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.1715, 47.8615, 100.7272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 163, 255) }
```

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

```
.background{ background-color: rgb(215,  
163, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor