

# Converting Colors

XYZ(59.5691, 47.6280,  
100.6612)

Have a look what the booklet for  
XYZ(59.5691, 47.6280, 100.6612)  
contains.

<b>XYZ(59.4101, 47.4615, 100.6375)</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(59.4101, 47.4615,  
100.6375)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9A1FF
RGB	217, 161, 255
RGB Percent	85%, 63%, 100%
CMY	0.1490, 0.3686, 0.0000
CMYK	0.15, 0.37, 0.00, 0.00
HSL	276°, 100%, 82%
HSV	276°, 37%, 100%
XYZ	59.4101, 47.4615, 100.6375
YIQ	188.4600, 3.2020, 41.1060

# Conversions

## Conversions Part 2

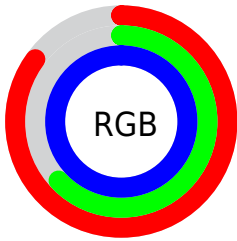
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	217, 161, 255
Decimal	14262783
CIE Lab	74.48, 37.49, -38.81
CIE LCh	74, 53.962, 314.008
Yxy	47.4615, 0.2863, 0.2287
Android (android.graphics.Color)	4292452863 (0xFFD9A1FF)
YUV	188.4600, 32.8042, 25.0296
Hunter-Lab	68.8923, 33.3701, -38.3859

# Details

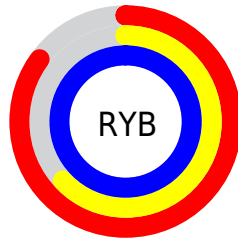
The XYZ color **59.4101, 47.4615, 100.6375** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **65.7473, 86.2358, 46.9003**, and the grayscale version is **47.8808, 50.3743, 54.8577**.

A 20% lighter version of the original color is **83.8459, 77.5917, 105.1653**, and **30.2535, 22.3794, 56.1512** is the 20% darker color. If you saturate the color by 10%, you get **52.4312, 37.9104, 99.1618**, and if you desaturate by 10%, it is **67.4920, 58.9323, 102.4256**.

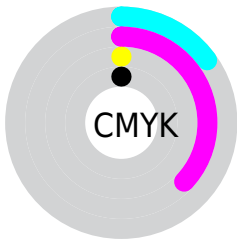
# Distribution



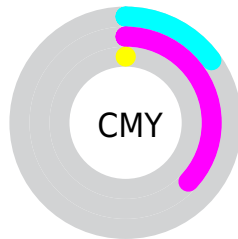
- Red (85%)
- Green (63%)
- Blue (100%)



- Red (85%)
- Yellow (63%)
- Blue (100%)



- Cyan (15%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)




- Cyan (15%)
- Magenta (37%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.4101, 47.4615, 100.6375 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 59.4101, 47.4615, 100.6375 by changing the saturation by 10% instead.



 59.4101, 47.4615,  
100.6375


 59.4101, 47.4615,  
100.6375


412.2897,  
376.6537, 583.4988

 43.1910, 33.4006,  
76.2132


 103.0847, 86.4021,  
164.0925

 30.2302, 22.4335,  
56.0996

 131.2709,  
112.0506, 203.9603

 20.1623, 14.1758,  
39.8783

164.1768,  
142.3305, 249.8129

 12.6220, 8.2430,  
27.1306

202.1678,  
177.6261, 302.0690

 7.2440, 4.2509,  
17.4380

245.6092,  
218.3218, 361.1471

 3.6628, 1.8149,  
10.3820

294.8664,

 1.5132, 0.4964,

264.8020, 427.4658

5.5441

350.3048,  
317.4512, 501.4435

■ 0.3348, 0.0000,  
2.5056

■ 0.0000, 0.0000,  
0.8431

■ 59.4101, 47.4615,  
100.6375

■ 59.4101, 47.4615,  
100.6375

■ 52.4312, 37.9104,  
99.1618

■ 67.4920, 58.9323,  
102.4256

■ 46.4917, 30.1604,  
97.9789

■ 76.7268, 72.4206,  
104.5424

■ 41.5280, 24.0880,  
97.0684

■ 87.1662, 88.0242,  
107.0040

■ 37.4664, 19.5515,  
96.4069

95.0500, 100.0000,  
108.9000

■ 34.2209, 16.3847,  
95.9667

■ 31.6835, 14.3773,  
95.7129

■ 30.9831, 13.8872,  
95.6553

# Harmonies

## Analogous

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



49.7966, 47.4615, 123.1224



59.4101, 47.4615, 100.6375



65.6104, 47.4615, 67.9037

# Triad

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



59.4101, 47.4615, 100.6375



50.4684, 47.4615, 15.3688



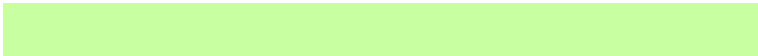
29.2731, 47.4615, 65.7750

# Complementary

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



59.4101, 47.4615, 100.6375



65.7473, 86.2358, 46.9003

# 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.



29.3990, 47.4615, 38.2670



59.4101, 47.4615, 100.6375



40.7285, 47.4615, 15.1557

# Square

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



59.4101, 47.4615, 100.6375



59.9625, 47.4615, 22.6572



33.3123, 47.4615, 21.9080



32.9392, 47.4615, 98.6042



# Rectangle

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



59.4101, 47.4615, 100.6375



66.4857, 47.4615, 48.0191



33.3123, 47.4615, 21.9080



28.8917, 47.4615, 55.5171

# Sweetspot

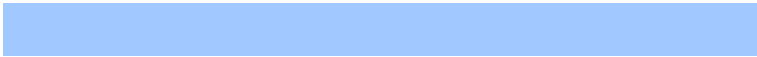
The Sweet Spot groups the original color and five complimentary colors.



59.4116, 47.4634, 100.6378



82.6960, 81.3033, 105.9423



53.4424, 56.1846, 102.6357



17.3968, 16.9484, 22.6044



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.



59.4116, 47.4634, 100.6378



54.3192, 40.4542, 99.5532



70.8000, 53.4771, 94.7215



18.0408, 17.9128, 22.7566



16.3627, 7.3458, 49.9900



1.7169, 0.7790, 4.8731



# Inverse Universe

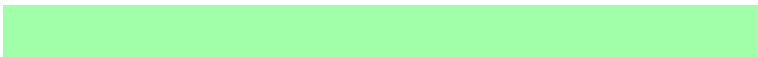
The Inverse Universe completely reimagines the original color for something new.



64.2948, 50.8750, 60.4655



60.1265, 44.4825, 53.0828



57.6051, 81.9560, 50.2392



18.3137, 18.1088, 20.2689



22.8994, 11.6491, 8.1209

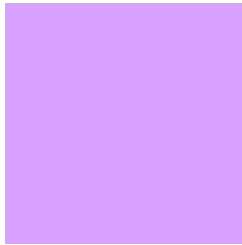


2.2820, 1.1552, 1.0666



# Previews

## White Background



This preview shows how the XYZ color 59.4101, 47.4615, 100.6375 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

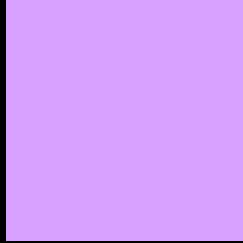
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.4101, 47.4615, 100.6375 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 59.4101, 47.4615, 100.6375

## Background



This preview shows how black text looks on a background with the XYZ color 59.4101, 47.4615, 100.6375.



This preview shows how white text looks on a background with the XYZ color 59.4101, 47.4615,

100.6375.

# 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

59.4101, 47.4615, 100.6375

### Protanopia

49.0711, 47.7413, 101.2364

### Deuteranopia

49.0407, 47.7993, 97.9083



## Tritanopia

49.8607, 47.4126, 54.1006

# Trichromacy



## Original Color

59.4101, 47.4615, 100.6375



## Protanomaly

52.2421, 47.3159, 100.9872



## Deuteranomaly

52.2352, 47.3677, 98.4852



## Tritanomaly

52.8367, 47.2046, 68.6139

# Monochromacy



## Original Color

59.4101, 47.4615, 100.6375



## Achromatopsia

47.7994, 50.2886, 54.7643



## Achromatomaly

51.3572, 48.7364, 68.9876

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.4101, 47.4615, 100.6375 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(217, 161, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 161, 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(217, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 161, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 59.4101, 47.4615, 100.6375 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(217, 161, 255) }
```



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

```
.border{ border-color:rgb(217, 161, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 161, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 161, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 161, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 161,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.4101, 47.4615, 100.6375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 161, 255) }
```

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

```
.background{ background-color: rgb(217,  
161, 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