

# Converting Colors

XYZ(58.9595, 47.4392, 93.8625)

Have a look what the booklet for  
XYZ(58.9595, 47.4392, 93.8625)  
contains.

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# Color

**XYZ(59.0486, 47.4208,  
94.0366)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCA1F7
RGB	220, 161, 247
RGB Percent	86%, 63%, 97%
CMY	0.1372, 0.3686, 0.0314
CMYK	0.11, 0.35, 0.00, 0.03
HSL	281°, 84%, 80%
HSV	281°, 35%, 97%
XYZ	59.0486, 47.4208, 94.0366
YIQ	188.4450, 7.5580, 39.2540

# Conversions

## Conversions Part 2

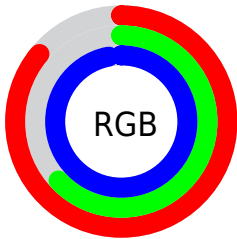
Format	Color
R <sub>Y</sub> B	220, 161, 247
Decimal	14459383
CIE Lab	74.46, 36.73, -34.50
CIE LCh	74, 50.394, 316.796
Yxy	47.4208, 0.2945, 0.2365
Android (android.graphics.Color)	4292649463 (0xFFDCA1F7)
YUV	188.4450, 28.8676, 27.6737
Hunter-Lab	68.8628, 32.5508, -32.7604

# Details

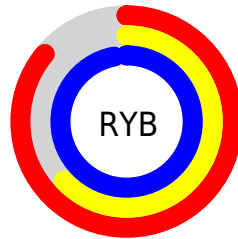
The XYZ color **59.0486, 47.4208, 94.0366** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **60.4343, 79.7872, 45.9356**, and the grayscale version is **47.8922, 50.3864, 54.8708**.

A 20% lighter version of the original color is **83.8459, 77.5917, 105.1653**, and **29.9667, 22.3353, 51.4469** is the 20% darker color. If you saturate the color by 10%, you get **52.8586, 38.4436, 92.6308**, and if you desaturate by 10%, it is **66.2032, 58.1632, 95.7337**.

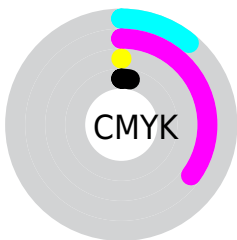
# Distribution



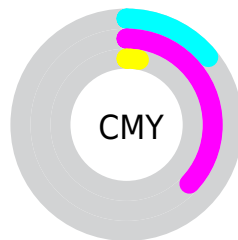
- Red (86%)
- Green (63%)
- Blue (97%)



- Red (86%)
- Yellow (63%)
- Blue (97%)



- Cyan (11%)
- Magenta (35%)
- Yellow (0%)
- Black (3%)




- Cyan (14%)
- Magenta (37%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.0486, 47.4208, 94.0366 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 59.0486, 47.4208, 94.0366 by changing the saturation by 10% instead.




 59.0486, 47.4208,  
94.0366


 59.0486, 47.4208,  
94.0366


410.9732,  
376.4917, 561.9815

 42.8988, 33.3684,  
70.7409


 102.5625, 86.3414,  
154.9171

 29.9999, 22.4088,  
51.6503


 130.6573,  
111.9784, 193.3390

 19.9866, 14.1576,  
36.3461


163.4645,  
142.2458, 237.6400

 12.4935, 8.2304,  
24.4098

201.3493,  
177.5279, 288.2387

 7.1553, 4.2427,  
15.4229

244.6773,  
218.2092, 345.5537

 3.6066, 1.8102,  
8.9668

293.8137,

 1.4821, 0.4935,

264.6740, 410.0035

4.6230

349.1238,  
317.3067, 482.0066

■ 0.3136, 0.0000,  
1.9730

■ 0.0000, 0.0000,  
0.5386

■ 59.0486, 47.4208,  
94.0366

■ 59.0486, 47.4208,  
94.0366

■ 52.8586, 38.4436,  
92.6308

■ 66.2032, 58.1632,  
95.7337

■ 47.5764, 31.1238,  
91.4964

■ 74.3654, 70.7581,  
97.7346

■ 43.1466, 25.3514,  
90.6156

■ 83.5811, 85.2943,  
100.0547

■ 39.5046, 20.9997,  
89.9676

■ 92.3398, 98.7485,  
102.1900

■ 36.5758, 17.9217,  
89.5279

■ 93.7886, 99.4955,  
102.2578

■ 34.2688, 15.9367,  
89.2663

■ 33.2485, 15.2008,  
89.1781

# Harmonies

## Analogous

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



50.3129, 47.4208, 115.8991



59.0486, 47.4208, 94.0366



64.3170, 47.4208, 63.9306

# Triad

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



59.0486, 47.4208, 94.0366



49.1831, 47.4208, 16.6268



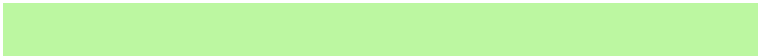
30.3261, 47.4208, 67.4882

# Complementary

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



59.0486, 47.4208, 94.0366



60.4343, 79.7872, 45.9356

# 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.



30.1089, 47.4208, 41.0234



59.0486, 47.4208, 94.0366



40.2084, 47.4208, 17.0111

# Square

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



59.0486, 47.4208, 94.0366



58.1262, 47.4208, 23.0684



33.4957, 47.4208, 24.3891



34.1352, 47.4208, 97.3832



# Rectangle

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



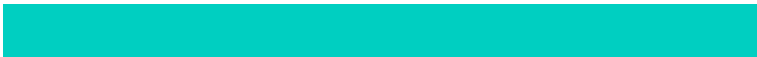
59.0486, 47.4208, 94.0366



64.7480, 47.4208, 45.9343



33.4957, 47.4208, 24.3891



29.8504, 47.4208, 57.7849

# Sweetspot

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



59.0502, 47.4228, 94.0376



84.5636, 83.3088, 106.2310



49.5214, 50.3607, 95.1069



17.8047, 17.3665, 22.6636



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.



59.0502, 47.4228, 94.0376



58.5576, 43.7997, 99.9756



65.5608, 51.0485, 82.1733



16.6780, 16.4922, 20.8468



17.7371, 8.1181, 47.1701



1.6647, 0.7680, 4.1507



# Inverse Universe

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



60.1812, 48.8966, 53.8449



60.2086, 45.7662, 49.6590



55.8729, 77.2648, 53.4440



16.7134, 16.5682, 18.2375



21.0612, 10.7679, 5.0306



1.8955, 0.9642, 0.6763



# Previews

## White Background



This preview shows how the XYZ color 59.0486, 47.4208, 94.0366 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

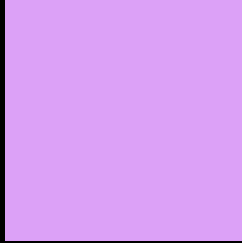
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.0486, 47.4208, 94.0366 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 59.0486, 47.4208, 94.0366**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.0486, 47.4208, 94.0366.



This preview shows how white text looks on a background with the XYZ color 59.0486, 47.4208,



# 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

59.0486, 47.4208, 94.0366

### Protanopia

49.2718, 47.8448, 101.2458

### Deuteranopia

48.8500, 47.8436, 91.4541



## Tritanopia

50.7772, 47.3239, 53.4719

# Trichromacy



## Original Color

59.0486, 47.4208, 94.0366



## Protanomaly

51.9981, 47.2455, 98.4741



## Deuteranomaly

51.9587, 47.3686, 91.9925



## Tritanomaly

53.4281, 47.2755, 66.6307

# Monochromacy



## Original Color

59.0486, 47.4208, 94.0366



## Achromatopsia

47.7994, 50.2886, 54.7643



## Achromatomaly

51.2484, 48.7236, 67.0251

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.0486, 47.4208, 94.0366 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(220, 161, 247)` looks like.

```
.text, #text, p{  
    color:rgb(220, 161, 247)  
}
```

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(220, 161, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 161, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 59.0486, 47.4208, 94.0366 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(220, 161, 247) }
```



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

```
.border{ border-color:rgb(220, 161, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 161, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 161, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 161, 247);  
box-shadow:4px 4px 4px 4px rgb(220, 161,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.0486, 47.4208, 94.0366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 161, 247) }
```

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

```
.background{ background-color: rgb(220,  
161, 247) }
```

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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