

# Converting Colors

XYZ(58.5820, 47.3028, 93.6818)

Have a look what the booklet for  
XYZ(58.5820, 47.3028, 93.6818)  
contains.

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# Color

**XYZ(58.4468, 47.1106,  
94.0085)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DAA1F7
RGB	218, 161, 247
RGB Percent	85%, 63%, 97%
CMY	0.1451, 0.3686, 0.0314
CMYK	0.12, 0.35, 0.00, 0.03
HSL	280°, 84%, 80%
HSV	280°, 35%, 97%
XYZ	58.4468, 47.1106, 94.0085
YIQ	187.8470, 6.3660, 38.8300

# Conversions

## Conversions Part 2

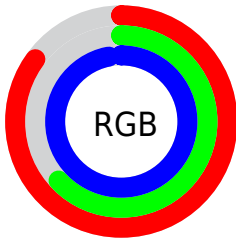
Format	Color
R <sub>YB</sub>	218, 161, 247
Decimal	14328311
CIE <sub>Lab</sub>	74.26, 36.13, -34.82
CIE <sub>LCh</sub>	74, 50.180, 316.057
Yxy	47.1106, 0.2929, 0.2361
Android (android.graphics.Color)	4292518391 (0xFFDAA1F7)
YUV	187.8470, 29.1624, 26.4442
Hunter-Lab	68.6372, 31.8836, -33.1602

# Details

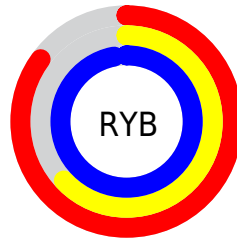
The XYZ color **58.4468, 47.1106, 94.0085** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **60.9306, 80.0431, 45.9589**, and the grayscale version is **47.5519, 50.0283, 54.4808**.

A 20% lighter version of the original color is **83.8459, 77.5917, 105.1653**, and **29.5571, 22.1242, 51.4278** is the 20% darker color. If you saturate the color by 10%, you get **52.1211, 38.0634, 92.5964**, and if you desaturate by 10%, it is **65.7534, 57.9314, 95.7128**.

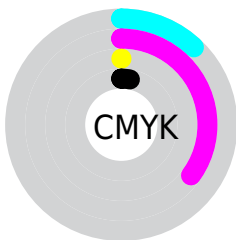
# Distribution



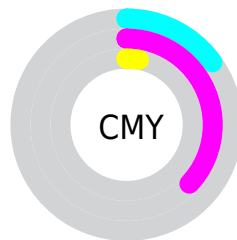
- Red (85%)
- Green (63%)
- Blue (97%)



- Red (85%)
- Yellow (63%)
- Blue (97%)



- Cyan (12%)
- Magenta (35%)
- Yellow (0%)
- Black (3%)




- Cyan (15%)
- Magenta (37%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.4468, 47.1106, 94.0085 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 58.4468, 47.1106, 94.0085 by changing the saturation by 10% instead.




 58.4468, 47.1106,  
94.0085


 58.4468, 47.1106,  
94.0085


408.7758,  
375.2558, 561.8890

 42.4126, 33.1231,  
70.7177

 101.6924, 85.8787,  
154.8779

 29.6170, 22.2208,  
51.6314

 129.6346,  
111.4281, 193.2935

 19.6947, 14.0192,  
36.3312


162.2768,  
141.6002, 237.5879

 12.2803, 8.1340,  
24.3984

199.9844,  
176.7795, 288.1794

 7.0084, 4.1808,  
15.4145

243.1228,  
217.3503, 345.4868

 3.5137, 1.7752,  
8.9609

292.0572,

 1.4309, 0.4717,

263.6970, 409.9285

4.6192

347.1531,  
316.2040, 481.9230

■ 0.2781, 0.0000,  
1.9708

■ 0.0000, 0.0000,  
0.5373

■ 58.4468, 47.1106,  
94.0085

■ 58.4468, 47.1106,  
94.0085

■ 52.1211, 38.0634,  
92.5964

■ 65.7534, 57.9314,  
95.7128

■ 46.7192, 30.6819,  
91.4563

■ 74.0842, 70.6132,  
97.7215

■ 42.1851, 24.8557,  
90.5707

■ 83.4856, 85.2451,  
100.0502

■ 38.4542, 20.4582,  
89.9185

■ 92.4472, 98.8039,  
102.1950

■ 35.4512, 17.3419,  
89.4753

■ 93.7886, 99.4955,  
102.2578

■ 33.0843, 15.3261,  
89.2110

■ 32.0386, 14.5771,  
89.1215

# Harmonies

## Analogous

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



49.7424, 47.1106, 115.2817



58.4468, 47.1106, 94.0085



63.7854, 47.1106, 64.2048

# Triad

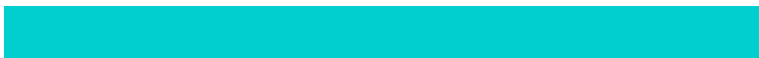
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



58.4468, 47.1106, 94.0085



49.0831, 47.1106, 16.6361



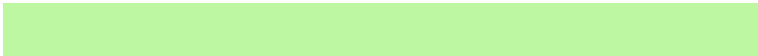
30.1057, 47.1106, 66.2804

# Complementary

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



58.4468, 47.1106, 94.0085



60.9306, 80.0431, 45.9589

# 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.



29.9789, 47.1106, 40.2440



58.4468, 47.1106, 94.0085



40.1539, 47.1106, 16.8607

# Square

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



58.4468, 47.1106, 94.0085



57.9086, 47.1106, 23.2205



33.4247, 47.1106, 23.9920



33.7980, 47.1106, 95.9604



# Rectangle

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



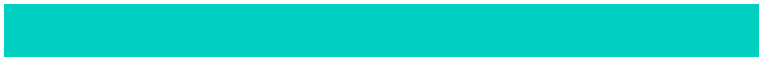
58.4468, 47.1106, 94.0085



64.3107, 47.1106, 46.2358



33.4247, 47.1106, 23.9920



29.6633, 47.1106, 56.7113

# Sweetspot

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



58.4484, 47.1126, 94.0095



84.3548, 83.2012, 106.2212



50.1409, 51.5997, 95.3135



17.7541, 17.3404, 22.6612



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.



58.4484, 47.1126, 94.0095



57.8029, 43.4106, 99.9403



65.9697, 51.2121, 84.3263



16.6392, 16.4722, 20.8450



17.1015, 7.7904, 47.1404



1.6122, 0.7410, 4.1483



# Inverse Universe

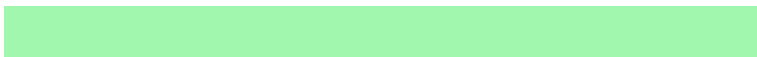
The Inverse Universe completely reimagines the original color for something new.



60.3985, 48.9836, 54.9887



60.4676, 45.8698, 51.0226



55.5906, 77.1519, 51.9573



16.7297, 16.5747, 18.3230



21.1770, 10.8142, 5.6405



1.9072, 0.9689, 0.7380



# Previews

## White Background



This preview shows how the XYZ color 58.4468, 47.1106, 94.0085 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

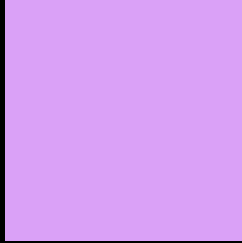
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.4468, 47.1106, 94.0085 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

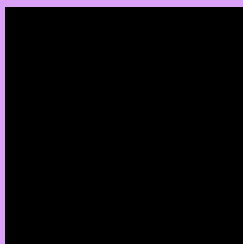
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 58.4468, 47.1106, 94.0085**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.4468, 47.1106, 94.0085.



This preview shows how white text looks on a background with the XYZ color 58.4468, 47.1106,



# 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

58.4468, 47.1106, 94.0085

### Protanopia

48.8685, 47.3361, 101.1689

### Deuteranopia

48.4353, 47.3291, 91.3766



## Tritanopia

50.2077, 47.0303, 53.4452

# Trichromacy



## Original Color

58.4468, 47.1106, 94.0085



## Protanomaly

51.5703, 46.7392, 98.3990



## Deuteranomaly

51.5224, 46.8579, 91.9169



## Tritanomaly

52.8480, 46.9764, 66.6036

# Monochromacy



## Original Color

58.4468, 47.1106, 94.0085



## Achromatopsia

47.7994, 50.2886, 54.7643



## Achromatomaly

50.9822, 48.5864, 67.0127

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.4468, 47.1106, 94.0085 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(218, 161, 247)` looks like.

```
.text, #text, p{  
    color:rgb(218, 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(218, 161, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 161, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 58.4468, 47.1106, 94.0085 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(218, 161, 247) }
```



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

```
.border{ border-color:rgb(218, 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(218, 161, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 161, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 161, 247);  
box-shadow:4px 4px 4px 4px rgb(218, 161,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.4468, 47.1106, 94.0085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 161, 247) }
```

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

```
.background{ background-color: rgb(218,  
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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