

# Converting Colors

XYZ(88.6401, 56.5505,  
259.4736)

Have a look what the booklet for  
XYZ(88.6401, 56.5505, 259.4736)  
contains.

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# Color

**XYZ(58.3300, 44.4133,  
100.1060)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DB97FF
RGB	219, 151, 255
RGB Percent	86%, 59%, 100%
CMY	0.1412, 0.4078, 0.0000
CMYK	0.14, 0.41, 0.00, 0.00
HSL	279°, 100%, 80%
HSV	279°, 41%, 100%
XYZ	58.3300, 44.4133, 100.1060
YIQ	183.1880, 7.1440, 46.7600

# Conversions

## Conversions Part 2

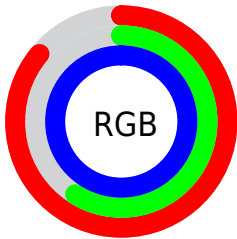
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	219, 151, 255
Decimal	14391295
CIE Lab	72.50, 43.42, -41.88
CIE LCh	73, 60.327, 316.032
Yxy	44.4133, 0.2876, 0.2189
Android (android.graphics.Color)	4292581375 (0xFFDB97FF)
YUV	183.1880, 35.4033, 31.4071
Hunter-Lab	66.6433, 39.6075, -42.4102

# Details

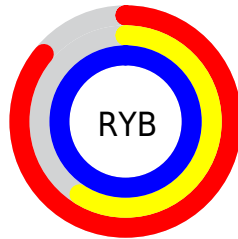
The XYZ color **58.3300, 44.4133, 100.1060** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **61.8404, 84.3196, 42.2961**, and the grayscale version is **44.9233, 47.2628, 51.4692**.

A 20% lighter version of the original color is **81.3613, 72.6226, 104.3371**, and **29.4610, 20.4940, 55.8290** is the 20% darker color. If you saturate the color by 10%, you get **52.0760, 35.7427, 98.7621**, and if you desaturate by 10%, it is **65.6151, 54.9349, 101.7529**.

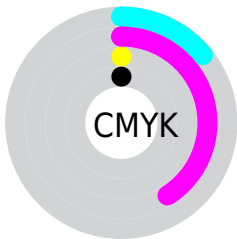
# Distribution



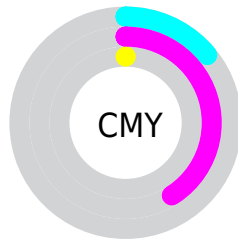
- Red (86%)
- Green (59%)
- Blue (100%)



- Red (86%)
- Yellow (59%)
- Blue (100%)



- Cyan (14%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)




- Cyan (14%)
- Magenta (41%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.3300, 44.4133, 100.1060 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 58.3300, 44.4133, 100.1060 by changing the saturation by 10% instead.





 58.3300, 44.4133,  
100.1060

 58.3300, 44.4133,  
100.1060


408.3485,  
364.3922, 581.7820

 42.3183, 30.9956,  
75.7717


 101.5235, 81.8393,  
163.3560

 29.5428, 20.5955,  
55.7398


 129.4359,  
106.6163, 203.1087

 19.6382, 12.8286,  
39.5917

162.0460,  
135.9486, 248.8381

 12.2390, 7.3106,  
26.9090

199.7191,  
170.2205, 300.9625

 6.9800, 3.6571,  
17.2731

242.8206,  
209.8164, 359.9006

 3.4958, 1.4837,  
10.2654

291.7157,

 1.4211, 0.2772,

255.1207, 426.0708

5.4674

346.7699,  
306.5179, 499.8918

■ 0.2712, 0.0000,  
2.4605

■ 0.0000, 0.0000,  
0.8191

■ 58.3300, 44.4133,  
100.1060

■ 58.3300, 44.4133,  
100.1060

■ 52.0760, 35.7427,  
98.7621

■ 65.6151, 54.9349,  
101.7529

■ 46.7889, 28.8011,  
97.7009

■ 73.9818, 67.4085,  
103.7196

■ 42.4032, 23.4599,  
96.9011

■ 83.4820, 81.9340,  
106.0226

■ 38.8427, 19.5698,  
96.3378

■ 94.1630, 98.6026,  
108.6770

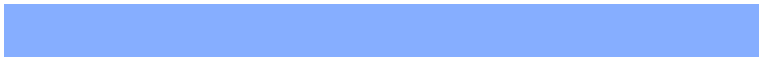
■ 36.0162, 16.9518, 95.0500, 100.0000,  
95.9815 108.9000

■ 33.9299, 15.4064,  
95.7932

# Harmonies

## Analogous

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



47.9895, 44.4133, 127.0805



58.3300, 44.4133, 100.1060



64.7829, 44.4133, 63.5657

# Triad

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



58.3300, 44.4133, 100.1060



47.2343, 44.4133, 11.3227



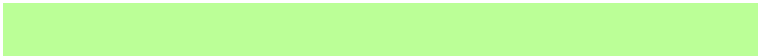
25.7430, 44.4133, 65.9911

# Complementary

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



58.3300, 44.4133, 100.1060



61.8404, 84.3196, 42.2961

# 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.



25.6090, 44.4133, 35.7936



58.3300, 44.4133, 100.1060



36.9206, 44.4133, 11.5271

# Square

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



58.3300, 44.4133, 100.1060



57.6993, 44.4133, 17.7104



29.3781, 44.4133, 18.4690



29.7806, 44.4133, 102.4982



# Rectangle

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



58.3300, 44.4133, 100.1060



65.4253, 44.4133, 42.5782



29.3781, 44.4133, 18.4690



25.2656, 44.4133, 54.6397

# Sweetspot

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



58.3314, 44.4151, 100.1063



82.2632, 80.0527, 105.7237



48.6693, 49.5116, 101.5993



17.3319, 16.7101, 22.5618



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.



58.3314, 44.4151, 100.1063



53.1183, 37.1583, 98.9804



67.9466, 49.6504, 87.9744



18.1465, 17.9672, 22.7616



17.8962, 8.1363, 50.0618



1.8602, 0.8529, 4.8799



# Inverse Universe

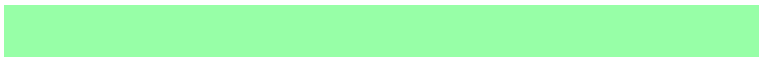
The Inverse Universe completely reimagines the original color for something new.



61.2772, 46.9826, 52.8539



56.8013, 40.2674, 44.4667



55.4618, 80.8751, 49.0548



18.2689, 18.0909, 20.0333



22.5381, 11.5045, 6.2180



2.2436, 1.1398, 0.8642



# Previews

## White Background



This preview shows how the XYZ color 58.3300, 44.4133, 100.1060 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

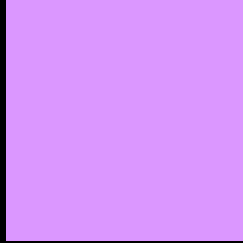
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.3300, 44.4133, 100.1060 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

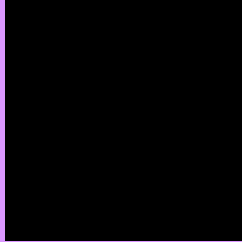
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 58.3300, 44.4133, 100.1060

## Background



This preview shows how black text looks on a background with the XYZ color 58.3300, 44.4133, 100.1060.



This preview shows how white text looks on a background with the XYZ color 58.3300, 44.4133,



# 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

58.3300, 44.4133, 100.1060

### Protanopia

46.5242, 44.9461, 100.8311

### Deuteranopia

45.9175, 44.7251, 96.6552



## Tritanopia

47.7891, 44.1981, 49.1924

# Trichromacy



## Original Color

58.3300, 44.4133, 100.1060



## Protanomaly

49.7732, 44.0875, 100.4942



## Deuteranomaly

49.5209, 44.0128, 97.9808



## Tritanomaly

50.8713, 43.8436, 64.8129

# Monochromacy



## Original Color

58.3300, 44.4133, 100.1060



## Achromatopsia

45.0092, 47.3531, 51.5676



## Achromatomaly

48.8365, 45.4650, 66.5233

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.3300, 44.4133, 100.1060 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(219, 151, 255)` looks like.

```
.text, #text, p{  
    color:rgb(219, 151, 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(219, 151, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 151, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 58.3300, 44.4133, 100.1060 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(219, 151, 255) }
```



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

```
.border{ border-color:rgb(219, 151, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 151, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 151, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 151, 255);  
box-shadow:4px 4px 4px 4px rgb(219, 151,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.3300, 44.4133, 100.1060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 151, 255) }
```

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

```
.background{ background-color: rgb(219,  
151, 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](#).

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