

# Converting Colors

XYZ(58.2359, 42.6793,  
121.0608)

Have a look what the booklet for  
XYZ(58.2359, 42.6793, 121.0608)  
contains.

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# Color

**XYZ(54.3413, 41.1877,  
99.6937)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D092FF
RGB	208, 146, 255
RGB Percent	82%, 57%, 100%
CMY	0.1843, 0.4274, 0.0000
CMYK	0.18, 0.43, 0.00, 0.00
HSL	274°, 100%, 79%
HSV	274°, 43%, 100%
XYZ	54.3413, 41.1877, 99.6937
YIQ	176.9640, 1.9630, 47.0430

# Conversions

## Conversions Part 2

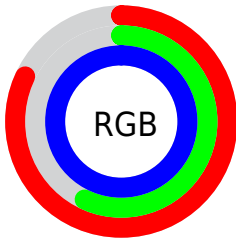
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">208, 146, 255</a>
Decimal	<a href="#">13669119</a>
CIELab	<a href="#">70.31, 42.97, -45.40</a>
CIELCh	<a href="#">70, 62.514, 313.425</a>
Yxy	<a href="#">41.1877, 0.2784, 0.2110</a>
Android (android.graphics.Color)	<a href="#">4291859199 (0xFFD092FF)</a>
YUV	<a href="#">176.9640, 38.4717, 27.2186</a>
Hunter-Lab	<a href="#">64.1776, 38.8309, -47.1769</a>

# Details

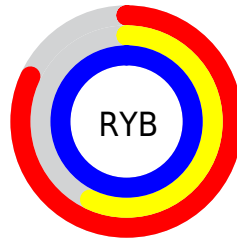
The XYZ color **54.3413, 41.1877, 99.6937** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **62.9414, 84.9331, 40.2722**, and the grayscale version is **41.5762, 43.7414, 47.6343**.

A 20% lighter version of the original color is **80.1766, 70.2533, 103.9422**, and **27.1446, 18.7580, 55.6161** is the 20% darker color. If you saturate the color by 10%, you get **47.8551, 32.6458, 98.3868**, and if you desaturate by 10%, it is **61.9211, 51.5964, 101.3032**.

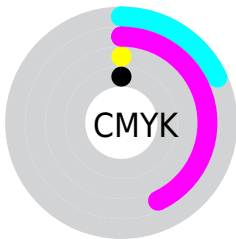
# Distribution



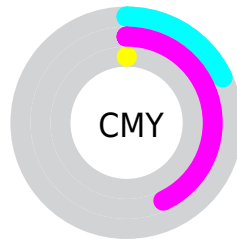
- Red (82%)
- Green (57%)
- Blue (100%)



- Red (82%)
- Yellow (57%)
- Blue (100%)



- Cyan (18%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (43%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.3413, 41.1877, 99.6937 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 54.3413, 41.1877, 99.6937 by changing the saturation by 10% instead.





 54.3413, 41.1877,  
99.6937


 54.3413, 41.1877,  
99.6937


393.5873,  
351.1045, 580.4485

 39.1063, 28.4658,  
75.4293

 95.7291, 76.9687,  
162.7844

 27.0236, 18.6771,  
55.4608


 122.6128,  
100.7967, 202.4478

 17.7276, 11.4372,  
39.3697


154.1099,  
129.0954, 248.0812

 10.8531, 6.3617,  
26.7374

190.5861,  
162.2492, 300.1033

 6.0347, 3.0662,  
17.1454

232.4066,  
200.6427, 358.9325

 2.9071, 1.1664,  
10.1752

279.9367,

 1.1048, 0.0340,

244.6601, 424.9874

5.4081

333.5418,  
294.6859, 498.6866

■ 0.0291, 0.0000,  
2.4258

■ 0.0000, 0.0000,  
0.8004

■ 54.3413, 41.1877,  
99.6937

■ 54.3413, 41.1877,  
99.6937

■ 47.8551, 32.6458,  
98.3868

■ 61.9211, 51.5964,  
101.3032

■ 42.3952, 25.8458,  
97.3620

■ 70.6481, 63.9762,  
103.2328

■ 37.8922, 20.6544,  
96.5973

■ 80.5770, 78.4295,  
105.4993

■ 34.2651, 16.9165,  
96.0670

■ 91.7576, 95.0497,  
108.1180

■ 31.4164, 14.4440, 95.0500, 100.0000,  
95.7399 108.9000

■ 29.7354, 13.2441,  
95.5969

# Harmonies

## Analogous

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



43.9109, 41.1877, 125.3465



54.3413, 41.1877, 99.6937



61.2730, 41.1877, 62.9791

# Triad

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



54.3413, 41.1877, 99.6937



45.0516, 41.1877, 9.5592



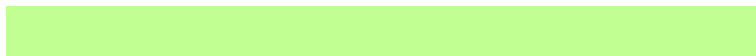
22.9183, 41.1877, 59.2908

# Complementary

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



54.3413, 41.1877, 99.6937



62.9414, 84.9331, 40.2722

# 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.



23.1153, 41.1877, 30.5782



54.3413, 41.1877, 99.6937



34.7420, 41.1877, 9.2751

# Square

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



54.3413, 41.1877, 99.6937



55.3013, 41.1877, 16.1337



27.0882, 41.1877, 15.0480



26.4926, 41.1877, 95.9990



# Rectangle

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



54.3413, 41.1877, 99.6937



62.3370, 41.1877, 41.5535



27.0882, 41.1877, 15.0480



22.5674, 41.1877, 48.3089

# Sweetspot

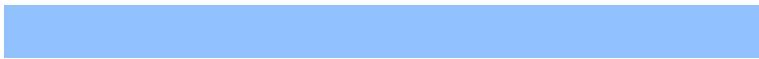
The Sweet Spot groups the original color and five complimentary colors.



54.3427, 41.1893, 99.6939



80.3069, 78.0320, 105.4368



49.0269, 51.5756, 101.9788



16.6987, 15.9826, 22.4548



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.



54.3427, 41.1893, 99.6939



48.9104, 34.0063, 98.5938



68.4215, 48.5798, 94.3610



17.9921, 17.8877, 22.7543



15.7118, 7.0102, 49.9596



1.6550, 0.7471, 4.8703



# Inverse Universe

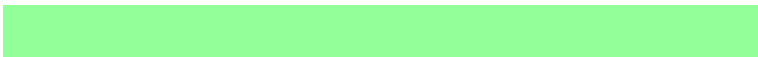
The Inverse Universe completely reimagines the original color for something new.



61.1454, 45.6694, 56.0454



56.9104, 39.2518, 48.3068



53.3870, 79.9402, 42.8705



18.3345, 18.1171, 20.3788



23.0895, 11.7251, 9.1218

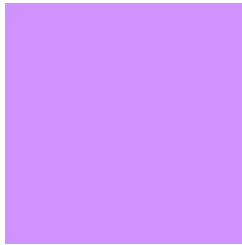


2.3017, 1.1630, 1.1699



# Previews

## White Background



This preview shows how the XYZ color 54.3413, 41.1877, 99.6937 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

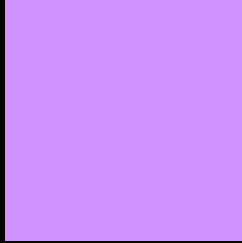
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.3413, 41.1877, 99.6937 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

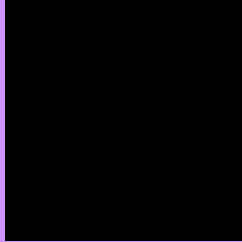
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 54.3413, 41.1877, 99.6937**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.3413, 41.1877, 99.6937.



This preview shows how white text looks on a background with the XYZ color 54.3413, 41.1877,



# 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

54.3413, 41.1877, 99.6937

### Protanopia

43.3933, 41.3467, 100.3014

### Deuteranopia

42.6334, 41.6034, 96.2257



## Tritanopia

43.4393, 40.9311, 46.6853

# Trichromacy



## Original Color

54.3413, 41.1877, 99.6937



## Protanomaly

46.5208, 40.8167, 100.0342



## Deuteranomaly

46.0081, 40.8683, 97.5589



## Tritanomaly

46.8958, 40.8011, 63.1613

# Monochromacy



## Original Color

54.3413, 41.1877, 99.6937



## Achromatopsia

41.7894, 43.9657, 47.8787



## Achromatomaly

45.3947, 42.3716, 63.5436

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.3413, 41.1877, 99.6937 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(208, 146, 255)` looks like.

```
.text, #text, p{  
    color:rgb(208, 146, 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(208, 146, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 146, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 54.3413, 41.1877, 99.6937 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(208, 146, 255) }
```



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

```
.border{ border-color:rgb(208, 146, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 146, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 146, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 146, 255);  
box-shadow:4px 4px 4px 4px rgb(208, 146,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.3413, 41.1877, 99.6937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 146, 255) }
```

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

```
.background{ background-color: rgb(208,  
146, 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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