

# Converting Colors

XYZ(54.4183, 41.2683,  
107.2853)

Have a look what the booklet for  
XYZ(54.4183, 41.2683, 107.2853)  
contains.

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# Color

**XYZ(53.1123, 40.7839,  
99.6805)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CB93FF
RGB	203, 147, 255
RGB Percent	80%, 58%, 100%
CMY	0.2039, 0.4235, 0.0000
CMYK	0.20, 0.42, 0.00, 0.00
HSL	271°, 100%, 79%
HSV	271°, 42%, 100%
XYZ	53.1123, 40.7839, 99.6805
YIQ	176.0560, -1.2920, 45.4600

# Conversions

## Conversions Part 2

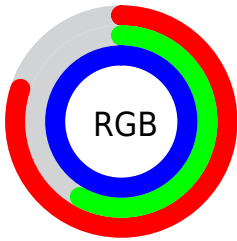
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	203, 147, 255
Decimal	13341695
CIE Lab	70.02, 41.04, -45.88
CIE LCh	70, 61.558, 311.812
Yxy	40.7839, 0.2744, 0.2107
Android (android.graphics.Color)	4291531775 (0xFFCB93FF)
YUV	176.0560, 38.9194, 23.6299
Hunter-Lab	63.8623, 36.6940, -47.8402

# Details

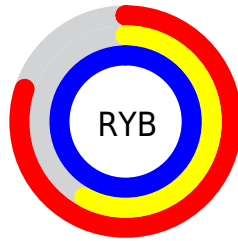
The XYZ color **53.1123, 40.7839, 99.6805** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **64.5802, 85.7689, 40.7566**, and the grayscale version is **41.1013, 43.2418, 47.0903**.

A 20% lighter version of the original color is **80.4105, 70.7211, 104.0202**, and **26.3179, 18.4647, 55.6030** is the 20% darker color. If you saturate the color by 10%, you get **46.3656, 32.0583, 98.3519**, and if you desaturate by 10%, it is **61.0053, 51.4067, 101.3149**.

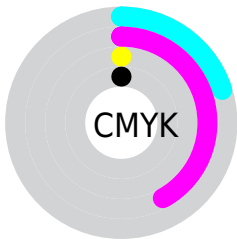
# Distribution



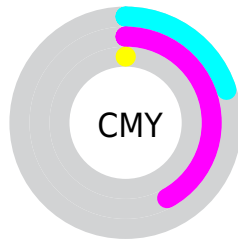
- Red (80%)
- Green (58%)
- Blue (100%)



- Red (80%)
- Yellow (58%)
- Blue (100%)



- Cyan (20%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)




- Cyan (20%)
- Magenta (42%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.1123, 40.7839, 99.6805 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 53.1123, 40.7839, 99.6805 by changing the saturation by 10% instead.





 53.1123, 40.7839,  
99.6805

 53.1123, 40.7839,  
99.6805

388.9696,  
349.4166, 580.4058

 38.1203, 28.1503,  
75.4183

 93.9342, 76.3557,  
162.7661

 26.2537, 18.4390,  
55.4519


 120.4947,  
100.0627, 202.4266

 17.1472, 11.2656,  
39.3626


151.6421,  
128.2296, 248.0570

 10.4354, 6.2458,  
26.7319

187.7417,  
161.2408, 300.0758

 5.7531, 2.9951,  
17.1413

229.1589,  
199.4808, 358.9015

 2.7348, 1.1292,  
10.1723

276.2591,

 1.0151, 0.0027,

243.3338, 424.9527

5.4062

329.4075,  
293.1842, 498.6480

■ 0.0000, 0.0000,  
2.4247

■ 0.0000, 0.0000,  
0.7998

■ 53.1123, 40.7839,  
99.6805

■ 53.1123, 40.7839,  
99.6805

■ 46.3656, 32.0583,  
98.3519

■ 61.0053, 51.4067,  
101.3149

■ 40.6962, 25.1044,  
97.3085

■ 70.0997, 64.0316,  
103.2724

■ 36.0334, 19.7890,  
96.5282

■ 80.4518, 78.7614,  
105.5699

■ 32.2945, 15.9565,  
95.9856

■ 92.1126, 95.6902,  
108.2229

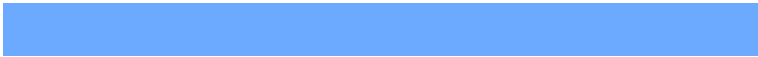
■ 29.3809, 13.4198, 95.0500, 100.0000,  
95.6495 108.9000

■ 27.6009, 12.1437,  
95.4970

# Harmonies

## Analogous

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



42.8517, 40.7839, 123.4916



53.1123, 40.7839, 99.6805



60.1505, 40.7839, 63.9976

# Triad

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



53.1123, 40.7839, 99.6805



45.1077, 40.7839, 9.8677



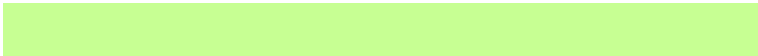
22.7709, 40.7839, 56.7138

# Complementary

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



53.1123, 40.7839, 99.6805



64.5802, 85.7689, 40.7566

# 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.



23.1630, 40.7839, 29.2875



53.1123, 40.7839, 99.6805



34.9446, 40.7839, 9.2952

# Square

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



53.1123, 40.7839, 99.6805



55.0075, 40.7839, 16.8035



27.2647, 40.7839, 14.6297



26.0813, 40.7839, 92.4097



# Rectangle

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



53.1123, 40.7839, 99.6805



61.4395, 40.7839, 42.6812



27.2647, 40.7839, 14.6297



22.4921, 40.7839, 46.1781

# Sweetspot

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



53.1137, 40.7855, 99.6807



79.7413, 77.7404, 105.4103



50.5532, 54.3632, 102.4365



16.5591, 15.9107, 22.4483



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.



53.1137, 40.7855, 99.6807



47.2130, 33.1313, 98.5143



69.4358, 49.2332, 98.9390



17.9016, 17.8410, 22.7501



14.5955, 6.4348, 49.9073



1.5473, 0.6916, 4.8652



# Inverse Universe

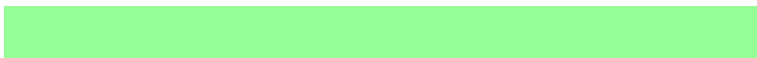
The Inverse Universe completely reimagines the original color for something new.



61.9832, 46.2522, 59.6941



57.5976, 39.5267, 51.9254



53.2024, 79.8870, 40.9673



18.3737, 18.1328, 20.5850



23.4841, 11.8829, 11.1998

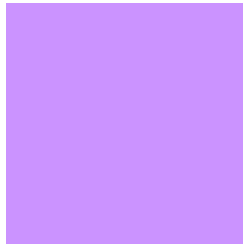


2.3414, 1.1789, 1.3794



# Previews

## White Background



This preview shows how the XYZ color 53.1123, 40.7839, 99.6805 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

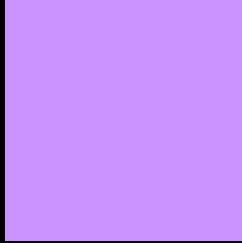
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.1123, 40.7839, 99.6805 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

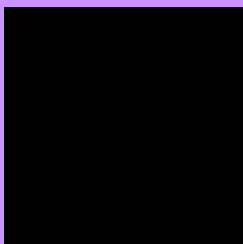
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 53.1123, 40.7839, 99.6805**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.1123, 40.7839, 99.6805.



This preview shows how white text looks on a background with the XYZ color 53.1123, 40.7839,



# 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

53.1123, 40.7839, 99.6805

### Protanopia

43.2225, 41.2587, 100.2934

### Deuteranopia

42.1113, 41.0549, 96.1474



## Tritanopia

42.4465, 40.6724, 47.2084

# Trichromacy



## Original Color

53.1123, 40.7839, 99.6805



## Protanomaly

46.1047, 40.6023, 100.0148



## Deuteranomaly

45.3913, 40.5503, 97.5301



## Tritanomaly

45.7520, 40.4636, 63.1565

# Monochromacy



## Original Color

53.1123, 40.7839, 99.6805



## Achromatopsia

41.2663, 43.4154, 47.2793



## Achromatomaly

44.7243, 41.7571, 63.4603

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.1123, 40.7839, 99.6805 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(203, 147, 255)` looks like.

```
.text, #text, p{  
    color:rgb(203, 147, 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(203, 147, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 147, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 53.1123, 40.7839, 99.6805 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(203, 147, 255) }
```



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

```
.border{ border-color:rgb(203, 147, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 147, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 147, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 147, 255);  
box-shadow:4px 4px 4px 4px rgb(203, 147,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.1123, 40.7839, 99.6805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 147, 255) }
```

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

```
.background{ background-color: rgb(203,  
147, 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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