

# Converting Colors

XYZ(50.5068, 40.4423, 93.2584)

Have a look what the booklet for  
XYZ(50.5068, 40.4423, 93.2584)  
contains.

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# Color

**XYZ(50.6201, 40.5844,  
93.1613)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C497F7
RGB	196, 151, 247
RGB Percent	77%, 59%, 97%
CMY	0.2314, 0.4078, 0.0314
CMYK	0.21, 0.39, 0.00, 0.03
HSL	268°, 86%, 78%
HSV	268°, 39%, 97%
XYZ	50.6201, 40.5844, 93.1613
YIQ	175.3990, -3.9960, 39.3960

# Conversions

## Conversions Part 2

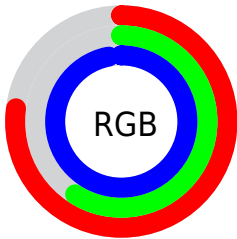
Format	Color
R <sub>Y</sub> B	196, 151, 247
Decimal	12883959
CIE Lab	69.88, 35.10, -41.79
CIE LCh	70, 54.578, 310.025
Yxy	40.5844, 0.2746, 0.2201
Android (android.graphics.Color)	4291074039 (0xFFC497F7)
YUV	175.3990, 35.2993, 18.0671
Hunter-Lab	63.7059, 30.3491, -42.1095

# Details

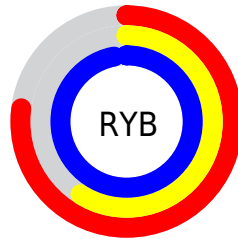
The XYZ color **50.6201, 40.5844, 93.1613** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **63.2049, 81.3133, 41.6436**, and the grayscale version is **40.7797, 42.9034, 46.7219**.

A 20% lighter version of the original color is **80.9944, 72.4334, 104.3199**, and **24.5713, 18.2168, 50.9363** is the 20% darker color. If you saturate the color by 10%, you get **43.7885, 31.7676, 91.8202**, and if you desaturate by 10%, it is **58.5857, 51.2236, 94.7957**.

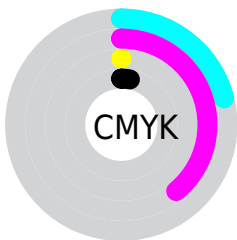
# Distribution



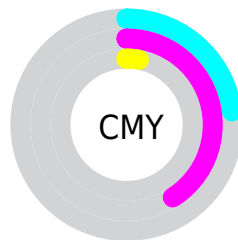
- Red (77%)
- Green (59%)
- Blue (97%)



- Red (77%)
- Yellow (59%)
- Blue (97%)



- Cyan (21%)
- Magenta (39%)
- Yellow (0%)
- Black (3%)



- Cyan (23%)
- Magenta (41%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.6201, 40.5844, 93.1613 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 50.6201, 40.5844, 93.1613 by changing the saturation by 10% instead.



50.6201, 40.5844,  
93.1613

50.6201, 40.5844,  
93.1613

379.4980,  
348.5806, 559.0949

36.1262, 27.9945,  
70.0172

90.2793, 76.0526,  
153.6955

24.7022, 18.3215,  
51.0636

116.1753, 99.6997,  
191.9227

15.9829, 11.1811,  
35.8822

146.6027,  
127.8013, 236.0147

9.6028, 6.1887,  
24.0542

181.9268,  
160.7417, 286.3900

5.1966, 2.9602,  
15.1613

222.5131,  
198.9055, 343.4671

2.3990, 1.1110,  
8.7848

268.7268,

0.8446, 0.0000,

242.6770, 407.6646

4.5062

320.9333,  
292.4406, 479.4010

■ 0.0000, 0.0000,  
1.9069

■ 0.0000, 0.0000,  
0.4971

■ 50.6201, 40.5844,  
93.1613

■ 50.6201, 40.5844,  
93.1613

■ 43.7885, 31.7676,  
91.8202

■ 58.5857, 51.2236,  
94.7957

■ 38.0267, 24.6597,  
90.7519

■ 67.7363, 63.7799,  
96.7370

■ 33.2697, 19.1414,  
89.9375

■ 78.1247, 78.3471,  
99.0013

■ 29.4429, 15.0754,  
89.3544

■ 89.7988, 95.0112,  
101.6025

■ 26.4587, 12.2996,  
88.9759

■ 93.7886, 99.4955,  
102.2577

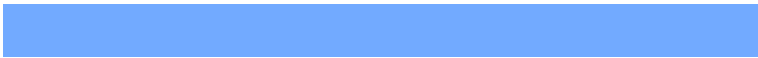
■ 24.1918, 10.5771,  
88.7629

■ 23.9622, 10.4136,  
88.7435

# Harmonies

## Analogous

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



41.6211, 40.5844, 111.8832



50.6201, 40.5844, 93.1613



56.9338, 40.5844, 63.0714

# Triad

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



50.6201, 40.5844, 93.1613



44.7011, 40.5844, 12.3377



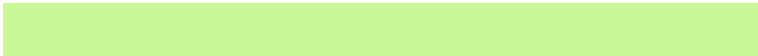
24.0945, 40.5844, 53.2528

# Complementary

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



50.6201, 40.5844, 93.1613



63.2049, 81.3133, 41.6436

# 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.



24.6585, 40.5844, 29.5111



50.6201, 40.5844, 93.1613



35.6798, 40.5844, 11.4242

# Square

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



50.6201, 40.5844, 93.1613



53.1698, 40.5844, 19.6253



28.6092, 40.5844, 16.3396



26.9288, 40.5844, 83.6517



# Rectangle

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



50.6201, 40.5844, 93.1613



58.2747, 40.5844, 44.1682



28.6092, 40.5844, 16.3396



23.9046, 40.5844, 44.2108

# Sweetspot

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



50.6215, 40.5860, 93.1622



80.3235, 79.0528, 105.6329



50.7198, 55.6311, 96.0610



16.8752, 16.4746, 22.5404



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.



50.6215, 40.5860, 93.1622



48.3039, 35.7091, 98.9544



65.0950, 48.0474, 93.8396



16.3198, 16.3075, 20.8301



12.8336, 5.5903, 46.9406



1.2455, 0.5519, 4.1311



# Inverse Universe

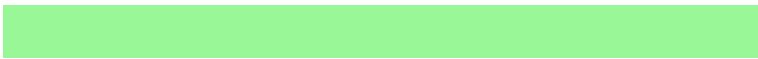
The Inverse Universe completely reimagines the original color for something new.



60.0862, 46.1731, 61.6236



60.2128, 42.7450, 59.0002



52.2125, 75.6466, 41.1291



16.8671, 16.6297, 19.0466



22.5331, 11.3567, 12.7816



2.0324, 1.0189, 1.3968



# Previews

## White Background



This preview shows how the XYZ color 50.6201, 40.5844, 93.1613 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

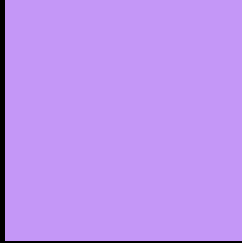
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.6201, 40.5844, 93.1613 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

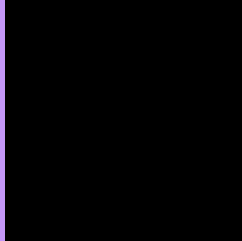
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 50.6201, 40.5844, 93.1613**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.6201, 40.5844, 93.1613.



This preview shows how white text looks on a background with the XYZ color 50.6201, 40.5844,



# 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

50.6201, 40.5844, 93.1613

### Protanopia

43.0371, 40.8880, 100.2316

### Deuteranopia

41.8672, 40.7763, 90.4580



## Tritanopia

41.2582, 40.3150, 47.7265

# Trichromacy



## Original Color

50.6201, 40.5844, 93.1613



## Protanomaly

45.1890, 40.4460, 97.5206



## Deuteranomaly

44.3537, 40.1588, 91.0017



## Tritanomaly

44.0893, 40.1448, 61.9249

# Monochromacy



## Original Color

50.6201, 40.5844, 93.1613



## Achromatopsia

40.7470, 42.8690, 46.6844



## Achromatomaly

43.7073, 41.5568, 60.9760

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.6201, 40.5844, 93.1613 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(196, 151, 247)` looks like.

```
.text, #text, p{  
    color:rgb(196, 151, 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(196, 151, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 151, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 50.6201, 40.5844, 93.1613 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(196, 151, 247) }
```



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

```
.border{ border-color:rgb(196, 151, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 151, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 151, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 151, 247);  
box-shadow:4px 4px 4px 4px rgb(196, 151,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.6201, 40.5844, 93.1613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 151, 247) }
```

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

```
.background{ background-color: rgb(196,  
151, 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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