

# Converting Colors

XYZ(52.0208, 44.7838, 96.2640)

Have a look what the booklet for  
XYZ(52.0208, 44.7838, 96.2640)  
contains.

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# Color

**XYZ(51.9457, 44.7595,  
96.3441)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEA5FA
RGB	190, 165, 250
RGB Percent	75%, 65%, 98%
CMY	0.2549, 0.3529, 0.0196
CMYK	0.24, 0.34, 0.00, 0.02
HSL	258°, 89%, 81%
HSV	258°, 34%, 98%
XYZ	51.9457, 44.7595, 96.3441
YIQ	182.1650, -12.3850, 31.7350

# Conversions

## Conversions Part 2

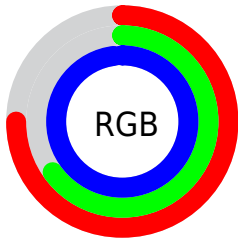
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	190, 165, 250
Decimal	12494330
CIE <sub>Lab</sub>	72.73, 26.33, -39.02
CIE <sub>LCh</sub>	73, 47.069, 304.007
Yxy	44.7595, 0.2691, 0.2319
Android (android.graphics.Color)	4290684410 (0xFFBEA5FA)
YUV	182.1650, 33.4427, 6.8713
Hunter-Lab	66.9025, 21.5148, -38.5498

# Details

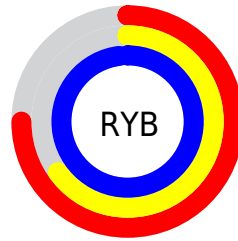
The XYZ color **51.9457, 44.7595, 96.3441** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **72.0294, 87.0963, 48.6139**, and the grayscale version is **44.3829, 46.6943, 50.8501**.

A 20% lighter version of the original color is **82.0010, 78.1806, 105.3762**, and **25.5224, 20.8114, 53.1239** is the 20% darker color. If you saturate the color by 10%, you get **43.7256, 34.4704, 94.7921**, and if you desaturate by 10%, it is **61.5839, 57.0899, 98.2169**.

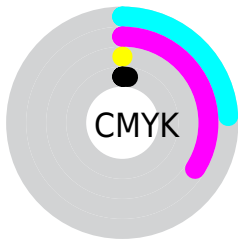
# Distribution



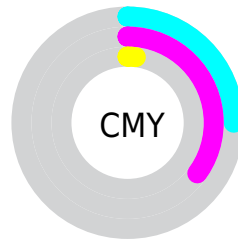
- Red (75%)
- Green (65%)
- Blue (98%)



- Red (75%)
- Yellow (65%)
- Blue (98%)



- Cyan (24%)
- Magenta (34%)
- Yellow (0%)
- Black (2%)



- Cyan (25%)
- Magenta (35%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.9457, 44.7595, 96.3441 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 51.9457, 44.7595, 96.3441 by changing the saturation by 10% instead.




 51.9457, 44.7595,  
96.3441


 51.9457, 44.7595,  
96.3441


384.5543,  
365.7987, 569.5530

 37.1859, 31.2680,  
72.6511

 92.2259, 82.3594,  
158.1317

 25.5258, 20.8030,  
53.2007


 118.4769,  
107.2366, 197.0635

 16.6000, 12.9801,  
37.5742


149.2891,  
136.6779, 241.9119

 10.0433, 7.4148,  
25.3531

185.0278,  
171.0676, 293.0955

 5.4901, 3.7229,  
16.1189

226.0583,  
210.7901, 351.0329

 2.5753, 1.5198,  
9.4531

272.7460,

 0.9334, 0.3026,

256.2299, 416.1426

4.9370

325.4562,  
307.7713, 488.8431

■ 0.0000, 0.0000,  
2.1523

■ 0.0000, 0.0000,  
0.6466

■ 51.9457, 44.7595,  
96.3441

■ 51.9457, 44.7595,  
96.3441

■ 43.7256, 34.4704,  
94.7921

■ 61.5839, 57.0899,  
98.2169

■ 36.8484, 26.1042,  
93.5397

■ 72.7009, 71.5603,  
100.4240

■ 31.2387, 19.5387,  
92.5681

■ 85.3595, 88.2693,  
102.9820

■ 26.8108, 14.6345,  
91.8549

■ 94.2555, 99.6822,  
104.7160

■ 23.4676, 11.2312,  
91.3742

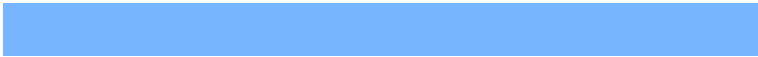
■ 21.0934, 9.1343,  
91.0946

■ 20.0436, 8.3395,  
90.9965

# Harmonies

## Analogous

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



43.6495, 44.7595, 108.7895



51.9457, 44.7595, 96.3441



58.2798, 44.7595, 71.2277

# Triad

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



51.9457, 44.7595, 96.3441



49.8042, 44.7595, 18.4536



28.7191, 44.7595, 51.9467

# Complementary

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



51.9457, 44.7595, 96.3441



72.0294, 87.0963, 48.6139

# 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.



29.9288, 44.7595, 31.5599



51.9457, 44.7595, 96.3441



41.4545, 44.7595, 16.2258

# Square

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



51.9457, 44.7595, 96.3441



56.9365, 44.7595, 27.6578



34.3487, 44.7595, 20.1480



30.8053, 44.7595, 78.4714



# Rectangle

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



51.9457, 44.7595, 96.3441



60.1533, 44.7595, 53.5847



34.3487, 44.7595, 20.1480



28.7556, 44.7595, 44.1880

# Sweetspot

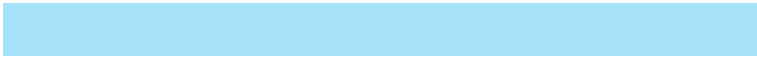
The Sweet Spot groups the original color and five complimentary colors.



51.9473, 44.7613, 96.3451



81.1330, 81.5403, 106.0704



59.9474, 69.2502, 100.6503



16.9756, 16.9391, 22.6248



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.



51.9473, 44.7613, 96.3451



48.1315, 39.0246, 99.6034



63.8553, 50.9001, 96.9024



16.7627, 16.8903, 21.7620



10.7559, 4.4876, 48.2728



1.0972, 0.4677, 4.4756



# Inverse Universe

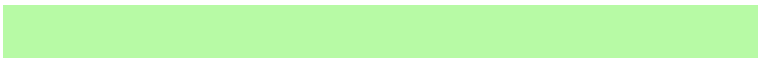
The Inverse Universe completely reimagines the original color for something new.



66.4712, 52.6720, 77.8983



65.7067, 48.6119, 76.6183



60.6061, 81.2073, 48.0793



17.7627, 17.4325, 20.6063



25.1593, 12.4794, 23.3451

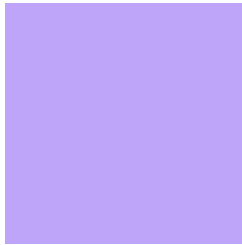


2.3765, 1.1743, 2.4062



# Previews

## White Background



This preview shows how the XYZ color 51.9457, 44.7595, 96.3441 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

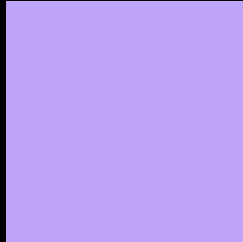
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.9457, 44.7595, 96.3441 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

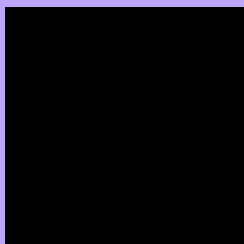
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 51.9457, 44.7595, 96.3441**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.9457, 44.7595, 96.3441.



This preview shows how white text looks on a background with the XYZ color 51.9457, 44.7595,



# 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

51.9457, 44.7595, 96.3441

### Protanopia

46.7122, 45.0430, 100.8399

### Deuteranopia

46.1789, 44.8959, 95.0388



## Tritanopia

43.7165, 44.7896, 55.6314

# Trichromacy



## Original Color

51.9457, 44.7595, 96.3441

## Protanomaly

48.2080, 44.7039, 99.0164

## Deuteranomaly

47.9999, 44.6694, 95.7147

## Tritanomaly

46.3557, 44.7079, 68.4736

# Monochromacy



## Original Color

51.9457, 44.7595, 96.3441

## Achromatopsia

44.4628, 46.7784, 50.9417

## Achromatomaly

46.7954, 45.8699, 65.4189

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.9457, 44.7595, 96.3441 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(190, 165, 250)` looks like.

```
.text, #text, p{  
    color:rgb(190, 165, 250)  
}
```

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(190, 165, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 165, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 51.9457, 44.7595, 96.3441 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(190, 165, 250) }
```



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

```
.border{ border-color:rgb(190, 165, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 165, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 165, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 165, 250);  
box-shadow:4px 4px 4px 4px rgb(190, 165,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.9457, 44.7595, 96.3441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 165, 250) }
```

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

```
.background{ background-color: rgb(190,  
165, 250) }
```

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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