

# Converting Colors

XYZ(42.5113, 25.1346, 97.2186)

Have a look what the booklet for  
XYZ(42.5113, 25.1346, 97.2186)  
contains.

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# Color

**XYZ(42.6086, 25.1836,  
97.2229)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BD59FF
RGB	189, 89, 255
RGB Percent	74%, 35%, 100%
CMY	0.2588, 0.6510, 0.0000
CMYK	0.26, 0.65, 0.00, 0.00
HSL	276°, 100%, 67%
HSV	276°, 65%, 100%
XYZ	42.6086, 25.1836, 97.2229
YIQ	137.8240, 6.3140, 72.8260

# Conversions

## Conversions Part 2

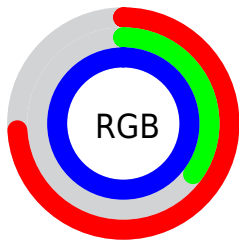
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	189, 89, 255
Decimal	12409343
CIE <sub>Lab</sub>	57.25, 66.92, -66.29
CIE <sub>LCh</sub>	57, 94.194, 315.271
Yxy	25.1836, 0.2582, 0.1526
Android (android.graphics.Color)	4290599423 (0xFFBD59FF)
YUV	137.8240, 57.7678, 44.8814
Hunter-Lab	50.1833, 63.7365, -79.7376

# Details

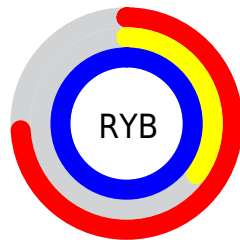
The XYZ color **42.6086, 25.1836, 97.2229** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **51.0810, 79.2099, 22.0488**, and the grayscale version is **23.8770, 25.1205, 27.3562**.

A 20% lighter version of the original color is **67.2423, 47.6105, 100.2534**, and **19.8534, 9.6870, 53.6467** is the 20% darker color. If you saturate the color by 10%, you get **38.4146, 20.3986, 96.5204**, and if you desaturate by 10%, it is **47.7149, 31.5300, 98.1788**.

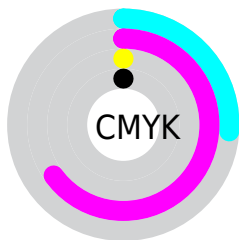
# Distribution



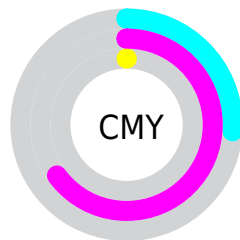
- Red (74%)
- Green (35%)
- Blue (100%)



- Red (74%)
- Yellow (35%)
- Blue (100%)



- Cyan (26%)
- Magenta (65%)
- Yellow (0%)
- Black (0%)




- Cyan (26%)
- Magenta (65%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6086, 25.1836, 97.2229 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 42.6086, 25.1836, 97.2229 by changing the saturation by 10% instead.




 42.6086, 25.1836,  
97.2229

 42.6086, 25.1836,  
97.2229

347.9485,  
278.7511, 572.4223

 29.7713, 16.2139,  
73.3794


 78.3793, 51.9549,  
159.3540


 19.8123, 9.6756,  
53.7925


 102.0434, 70.5253,  
198.4786

 12.3661, 5.1844,  
38.0438


 130.0472, 93.0648,  
243.5341

 7.0675, 2.3559,  
25.7146

 162.7560,  
119.9576, 294.9389

 3.5511, 0.8030,  
16.3864

200.5352,  
151.5883, 353.1115

 1.4514, 0.0000,  
9.6407

243.7501,

 0.2924, 0.0000,

188.3411, 418.4706

5.0589

292.7661,  
230.6006, 491.4347

■ 0.0000, 0.0000,  
2.2225

■ 0.0000, 0.0000,  
0.6873

■ 42.6086, 25.1836,  
97.2229

■ 42.6086, 25.1836,  
97.2229

■ 38.4146, 20.3986,  
96.5204

■ 47.7149, 31.5300,  
98.1788

■ 35.0467, 17.0112,  
96.0441

■ 53.8022, 39.5733,  
99.4105

■ 32.4041, 14.8242,  
95.7612

■ 60.9354, 49.4372,  
100.9384

■ 31.3036, 14.0525,  
95.6703

■ 69.1724, 61.2328,  
102.7811

■ 78.5666, 75.0619,  
104.9552

■ 89.1676, 91.0194,  
107.4766

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



30.0333, 25.1836, 139.3985



42.6086, 25.1836, 97.2229



51.2065, 25.1836, 46.1640

# Triad

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



42.6086, 25.1836, 97.2229



29.8064, 25.1836, 0.5324



8.6474, 25.1836, 46.9611

# Complementary

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



42.6086, 25.1836, 97.2229



51.0810, 79.2099, 22.0488

# 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.



8.6209, 25.1836, 14.5930



42.6086, 25.1836, 97.2229



18.7258, 25.1836, 0.5485

# Square

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



42.6086, 25.1836, 97.2229



42.3987, 25.1836, 2.8497



11.7149, 25.1836, 2.9413



11.8040, 25.1836, 98.1793



# Rectangle

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



42.6086, 25.1836, 97.2229



52.2317, 25.1836, 22.1621



11.7149, 25.1836, 2.9413



8.3141, 25.1836, 33.4514

# Sweetspot

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



42.6096, 25.1845, 97.2231



73.8125, 68.0208, 103.8467



33.9585, 32.9208, 99.1723



15.2431, 13.7438, 22.0994



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.



42.6096, 25.1845, 97.2231



37.3557, 19.2790, 96.3601



60.3042, 34.6019, 84.6981



18.0529, 17.9190, 22.7572



16.5297, 7.4319, 49.9979



1.7326, 0.7871, 4.8739



# Inverse Universe

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



50.7291, 30.7719, 34.2764



47.0448, 25.8524, 25.4982



42.4611, 74.6764, 25.7038



18.3085, 18.1067, 20.2418



22.8546, 11.6311, 7.8848

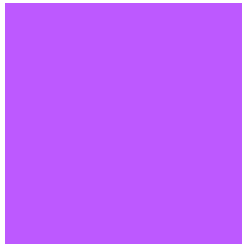


2.2774, 1.1533, 1.0420



# Previews

## White Background



This preview shows how the XYZ color 42.6086, 25.1836, 97.2229 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

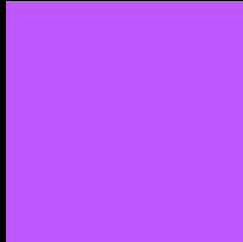
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.6086, 25.1836, 97.2229 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 × Fail

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

**XYZ 42.6086, 25.1836, 97.2229**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.6086, 25.1836, 97.2229.



This preview shows how white text looks on a background with the XYZ color 42.6086, 25.1836,

97.2229.

# 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

42.6086, 25.1836, 97.2229

### Protanopia

29.2476, 25.6479, 98.0168

### Deuteranopia

26.5192, 25.6888, 89.9469



## Tritanopia

28.1962, 25.1060, 26.2815

# Trichromacy



**Original Color**

42.6086, 25.1836, 97.2229

**Protanomaly**

31.5987, 23.8217, 97.5404

**Deuteranomaly**

28.1527, 22.6880, 92.5179

**Tritanomaly**

31.9463, 24.2950, 45.6535

# Monochromacy



**Original Color**

42.6086, 25.1836, 97.2229

**Achromatopsia**

24.1572, 25.4152, 27.6772

**Achromatomaly**

28.9616, 23.9372, 46.8100

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.6086, 25.1836, 97.2229 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(189, 89, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 89, 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(189, 89, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 89, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 42.6086, 25.1836, 97.2229 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(189, 89, 255) }
```



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

```
.border{ border-color:rgb(189, 89, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 89, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 89, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 89, 255); box-shadow:4px 4px 4px 4px rgb(189, 89, 255) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.6086, 25.1836, 97.2229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 89, 255) }
```

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

```
.background{ background-color: rgb(189, 89,  
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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