

Converting Colors

XYZ(61.0783, 39.0734,
121.4480)

Have a look what the booklet for
XYZ(61.0783, 39.0734, 121.4480)
contains.

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Color

**XYZ(56.8823, 37.3887,
98.8265)**

Conversions

Conversions Part 1

Format	Color
Hex	E479FF
RGB	228, 121, 255
RGB Percent	89%, 47%, 100%
CMY	0.1059, 0.5255, 0.0000
CMYK	0.11, 0.53, 0.00, 0.00
HSL	288°, 100%, 74%
HSV	288°, 53%, 100%
XYZ	56.8823, 37.3887, 98.8265
YIQ	168.2690, 20.7580, 64.3580

Conversions

Conversions Part 2

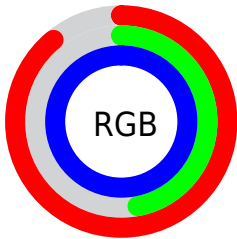
Format	Color
R _{YB}	228, 121, 255
Decimal	14973439
CIE Lab	67.57, 61.15, -49.56
CIE LCh	68, 78.713, 320.977
Yxy	37.3887, 0.2946, 0.1936
Android (android.graphics.Color)	4293163519 (0xFFE479FF)
YUV	168.2690, 42.7584, 52.3841
Hunter-Lab	61.1463, 59.0464, -53.0239

Details

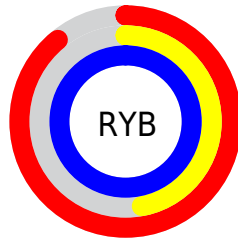
The XYZ color **56.8823, 37.3887, 98.8265** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **51.4247, 79.1967, 30.6668**, and the grayscale version is **37.1422, 39.0765, 42.5543**.

A 20% lighter version of the original color is **75.0121, 59.9243, 102.2207**, and **28.7188, 16.5197, 55.1011** is the 20% darker color. If you saturate the color by 10%, you get **52.5775, 31.1621, 97.8515**, and if you desaturate by 10%, it is **62.0569, 45.2809, 100.0771**.

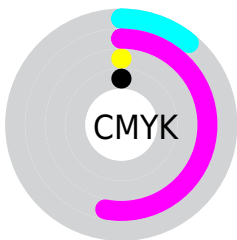
Distribution



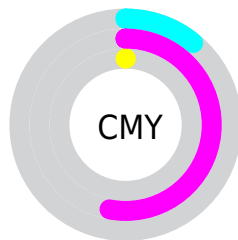
- Red (89%)
- Green (47%)
- Blue (100%)



- Red (89%)
- Yellow (47%)
- Blue (100%)



- Cyan (11%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)





- Cyan (11%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.8823, 37.3887, 98.8265 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 56.8823, 37.3887, 98.8265 by changing the saturation by 10% instead.


 56.8823, 37.3887,
98.8265

 56.8823, 37.3887,
98.8265


403.0294,
334.9903, 577.6382

 41.1505, 25.5086,
74.7094

 99.4258, 71.1702,
161.5814

 28.6249, 16.4564,
54.8746


 126.9682, 93.8404,
201.0563

 18.9401, 9.8477,
38.9034


 159.1782,
120.8760, 246.4875

 11.7308, 5.2981,
26.3773

196.4211,
152.6616, 298.2937

 6.6315, 2.4232,
16.8778

239.0624,
189.5814, 356.8933

 3.2770, 0.8378,
9.9864

287.4673,

 1.3019, 0.0000,

232.0198, 422.7049

5.2845

342.0012,
280.3614, 496.1471

■ 0.1846, 0.0000,
2.3535

■ 0.0000, 0.0000,
0.7609

■ 56.8823, 37.3887,
98.8265

■ 56.8823, 37.3887,
98.8265

■ 52.5775, 31.1621,
97.8515

■ 62.0569, 45.2809,
100.0771

■ 49.0722, 26.4642,
97.1295

■ 68.1567, 54.9521,
101.6223

■ 46.2911, 23.1439,
96.6352

■ 75.2368, 66.5108,
103.4802

■ 44.1413, 21.0164,
96.3378

■ 83.3469, 80.0556,
105.6672

■ 42.8483, 20.0040,
96.2105

■ 92.5329, 95.6782,
108.1985

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.



44.5462, 37.3887, 140.1901



56.8823, 37.3887, 98.8265



63.8681, 37.3887, 52.0964

Triad

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



56.8823, 37.3887, 98.8265



39.3173, 37.3887, 3.9743



17.9206, 37.3887, 69.5705

Complementary

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



56.8823, 37.3887, 98.8265



51.4247, 79.1967, 30.6668

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.



17.1368, 37.3887, 31.1167



56.8823, 37.3887, 98.8265



27.8323, 37.3887, 4.7866

Square

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



56.8823, 37.3887, 98.8265



52.3162, 37.3887, 7.7629



20.3366, 37.3887, 11.4938



22.7940, 37.3887, 117.6557

Rectangle

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



56.8823, 37.3887, 98.8265



63.6645, 37.3887, 29.2816



20.3366, 37.3887, 11.4938



17.2218, 37.3887, 54.7813

Sweetspot

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



56.8836, 37.3902, 98.8267



80.4273, 75.1485, 104.8739



36.8481, 33.1098, 99.0565



16.8551, 15.4836, 22.3502



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.



56.8836, 37.3902, 98.8267



52.4020, 30.9174, 97.8135



60.6068, 39.9474, 70.1856



18.4131, 18.1047, 22.7740



22.5149, 10.5174, 50.2780



2.2788, 1.0687, 4.8994

Inverse Universe

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



53.4234, 37.0741, 32.3583



49.0863, 30.8528, 23.3505



49.9012, 78.0874, 45.2296



18.1590, 18.0469, 19.4544



21.9073, 11.2522, 2.8964



2.1698, 1.1103, 0.4755

Previews

White Background



This preview shows how the XYZ color 56.8823, 37.3887, 98.8265 looks on a white background.

Color Contrast Check

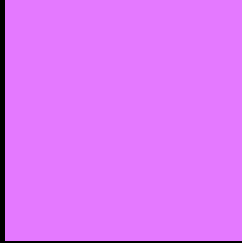
Large Text (above 18pt) WCAG AA × Fail

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 56.8823, 37.3887, 98.8265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

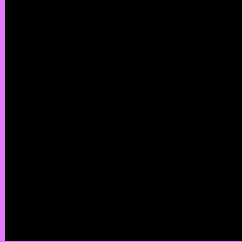
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.8823, 37.3887, 98.8265

Background



This preview shows how black text looks on a background with the XYZ color 56.8823, 37.3887, 98.8265.



This preview shows how white text looks on a background with the XYZ color 56.8823, 37.3887,

98.8265.

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

56.8823, 37.3887, 98.8265

Protanopia

40.1763, 37.8065, 99.7876

Deuteranopia

38.8164, 37.7783, 93.2418



Tritanopia

44.0962, 37.2882, 36.7715

Trichromacy



Original Color

56.8823, 37.3887, 98.8265



Protanomaly

44.2096, 36.1944, 99.2639



Deuteranomaly

43.1551, 35.9744, 95.1117

Tritanomaly

47.7847, 36.8016, 55.0370

Monochromacy



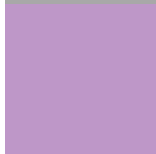
Original Color

56.8823, 37.3887, 98.8265



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

42.7271, 37.2505, 59.5817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.8823, 37.3887, 98.8265 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(228, 121, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 121, 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(228, 121, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 121, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.8823, 37.3887, 98.8265 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(228, 121, 255) }
```


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

```
.border{ border-color:rgb(228, 121, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 121, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 121, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 121, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 121,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.8823, 37.3887, 98.8265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 121, 255) }
```

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

```
.background{ background-color: rgb(228,  
121, 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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