

Converting Colors

XYZ(39.8617, 23.5272, 89.3337)

Have a look what the booklet for
XYZ(39.8617, 23.5272, 89.3337)
contains.

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Color

**XYZ(39.9699, 23.6237,
89.6420)**

Conversions

Conversions Part 1

Format	Color
Hex	B956F6
RGB	185, 86, 246
RGB Percent	73%, 34%, 96%
CMY	0.2745, 0.6627, 0.0353
CMYK	0.25, 0.65, 0.00, 0.04
HSL	277°, 90%, 65%
HSV	277°, 65%, 96%
XYZ	39.9699, 23.6237, 89.6420
YIQ	133.8410, 7.6440, 70.7480

Conversions

Conversions Part 2

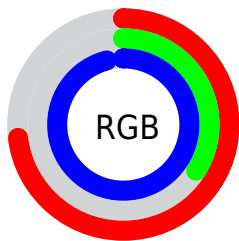
Format	Color
R _{YB}	185, 86, 246
Decimal	12146422
CIE _{Lab}	55.71, 65.51, -63.81
CIE _{LCh}	56, 91.452, 315.752
Yxy	23.6237, 0.2608, 0.1542
Android (android.graphics.Color)	4290336502 (0xFFB956F6)
YUV	133.8410, 55.2944, 44.8664
Hunter-Lab	48.6042, 61.7329, -75.3271

Details

The XYZ color **39.9699, 23.6237, 89.6420** 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 **46.6686, 72.7870, 20.3944**, and the grayscale version is **22.4044, 23.5712, 25.6690**.

A 20% lighter version of the original color is **65.2311, 45.6822, 99.9872**, and **18.2853, 8.8814, 48.8947** is the 20% darker color. If you saturate the color by 10%, you get **36.1446, 19.2209, 88.9942**, and if you desaturate by 10%, it is **44.6220, 29.4562, 90.5230**.

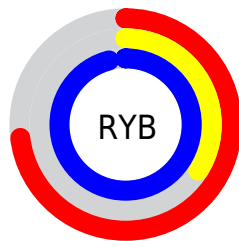
Distribution



Red (73%)

Green (34%)

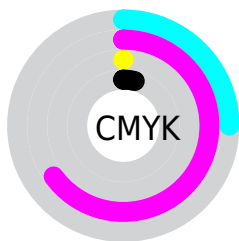
Blue (96%)



Red (73%)

Yellow (34%)

Blue (96%)

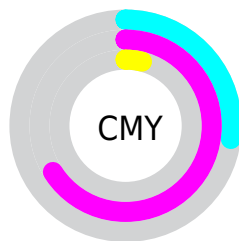


Cyan (25%)

Magenta (65%)

Yellow (0%)

Black (4%)



Cyan (27%)


Magenta (66%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.9699, 23.6237, 89.6420 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 39.9699, 23.6237, 89.6420 by changing the saturation by 10% instead.

 39.9699, 23.6237,
89.6420


 39.9699, 23.6237,
89.6420


337.1333,
270.9125, 547.4056

 27.6992, 15.0547,
67.1117

 74.4023, 49.4154,
148.7722


 18.2383, 8.8578,
48.7133


 97.2947, 67.4070,
186.2092

 11.2219, 4.6485,
34.0281


 124.4584, 89.3082,
229.4521

 6.2847, 2.0426,
22.6376

 156.2587,
115.5034, 278.9196

 3.0613, 0.6320,
14.1234

193.0610,
146.3770, 335.0302

 1.1862, 0.0000,
8.0668

235.2306,

 0.0955, 0.0000,

182.3135, 398.2023

4.0493

283.1329,
223.6972, 468.8546

■ 0.0000, 0.0000,
1.6525

■ 0.0000, 0.0000,
0.3278

■ 39.9699, 23.6237,
89.6420

■ 39.9699, 23.6237,
89.6420

■ 36.1446, 19.2209,
88.9942

■ 44.6220, 29.4562,
90.5230

■ 33.0675, 16.0983,
88.5537

■ 50.1631, 36.8421,
91.6566

■ 30.6473, 14.0765,
88.2910

■ 56.6522, 45.8943,
93.0618

■ 29.6237, 13.3500,
88.2047

■ 64.1419, 56.7141,
94.7555

72.6809, 69.3949,
96.7531

82.3141, 84.0232,
99.0689

92.0534, 98.6187,
101.3728

93.6346, 99.4339,
101.4468

Harmonies

Analogous

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



28.3105, 23.6237, 129.0467



39.9699, 23.6237, 89.6420



47.8401, 23.6237, 42.4827

Triad

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



39.9699, 23.6237, 89.6420



27.7246, 23.6237, 0.5181



8.2156, 23.6237, 44.5379

Complementary

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



39.9699, 23.6237, 89.6420



46.6686, 72.7870, 20.3944

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.



8.1465, 23.6237, 14.0764



39.9699, 23.6237, 89.6420



17.4659, 23.6237, 0.5616

Square

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



39.9699, 23.6237, 89.6420



39.4288, 23.6237, 2.6730



10.9890, 23.6237, 2.9142



11.2205, 23.6237, 92.1003

Rectangle

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



39.9699, 23.6237, 89.6420



48.6940, 23.6237, 20.4149



10.9890, 23.6237, 2.9142



7.8885, 23.6237, 31.8777

Sweetspot

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



39.9709, 23.6246, 89.6426



74.0879, 68.1628, 103.8596



30.9587, 29.6044, 91.2718



15.3093, 13.7779, 22.1025



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.



39.9709, 23.6246, 89.6426



38.0989, 19.6621, 96.3949



55.2456, 31.8136, 76.1440



16.5660, 16.4344, 20.8416



15.9730, 7.2087, 47.0876



1.5181, 0.6925, 4.1439

Inverse Universe

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



46.6008, 28.3557, 30.6213



46.8190, 25.7621, 24.3094



39.3269, 68.9036, 24.5028



16.7605, 16.5871, 18.4856



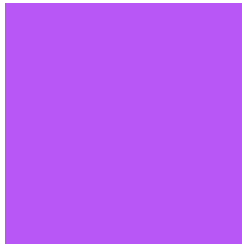
21.4225, 10.9124, 6.9331



1.9313, 0.9785, 0.8645

Previews

White Background



This preview shows how the XYZ color 39.9699, 23.6237, 89.6420 looks on a white background.

Color Contrast Check

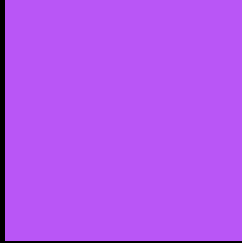
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.9699, 23.6237, 89.6420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

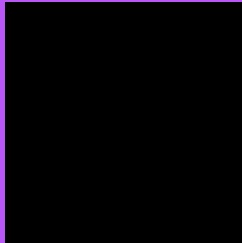
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.9699, 23.6237, 89.6420

Background



This preview shows how black text looks on a background with the XYZ color 39.9699, 23.6237, 89.6420.



This preview shows how white text looks on a background with the XYZ color 39.9699, 23.6237,

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

39.9699, 23.6237, 89.6420

Protanopia

27.9571, 24.1774, 97.8009

Deuteranopia

24.8589, 24.1359, 82.7054



Tritanopia

26.6600, 23.4204, 24.5882

Trichromacy



Original Color

39.9699, 23.6237, 89.6420

Protanomaly

29.5319, 22.1271, 94.8099

Deuteranomaly

26.7208, 21.5753, 85.1942

Tritanomaly

30.1390, 22.6265, 42.3140

Monochromacy



Original Color

39.9699, 23.6237, 89.6420

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

27.2360, 22.5900, 43.4823

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9699, 23.6237, 89.6420 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(185, 86, 246)` looks like.

```
.text, #text, p{  
    color:rgb(185, 86, 246)  
}
```

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(185, 86, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 86, 246) }
```

Border

The CSS property to change the border of an element to XYZ 39.9699, 23.6237, 89.6420 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(185, 86, 246) }
```


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

```
.border{ border-color:rgb(185, 86, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 86, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 86, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 86, 246);  
box-shadow:4px 4px 4px 4px rgb(185, 86,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9699, 23.6237, 89.6420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 86, 246) }
```

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

```
.background{ background-color: rgb(185, 86,  
246) }
```

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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