

Converting Colors

XYZ(40.6180, 23.4911,
103.7446)

Have a look what the booklet for
XYZ(40.6180, 23.4911, 103.7446)
contains.

XYZ(39.4300, 23.0641, 96.9814)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.4300, 23.0641,
96.9814)**

Conversions

Conversions Part 1

Format	Color
Hex	B155FF
RGB	177, 85, 255
RGB Percent	69%, 33%, 100%
CMY	0.3059, 0.6667, 0.0000
CMYK	0.31, 0.67, 0.00, 0.00
HSL	272°, 100%, 67%
HSV	272°, 67%, 100%
XYZ	39.4300, 23.0641, 96.9814
YIQ	131.8880, 0.2620, 72.3740

Conversions

Conversions Part 2

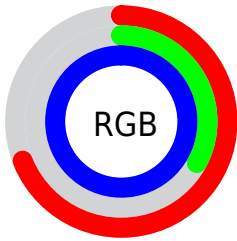
Format	Color
R_{YB}	177, 85, 255
Decimal	11621887
CIE _{Lab}	55.14, 66.28, -69.78
CIE _{LCh}	55, 96.236, 313.525
Yxy	23.0641, 0.2472, 0.1446
Android (android.graphics.Color)	4289811967 (0xFFB155FF)
YUV	131.8880, 60.6942, 39.5632
Hunter-Lab	48.0251, 62.5098, -86.1121

Details

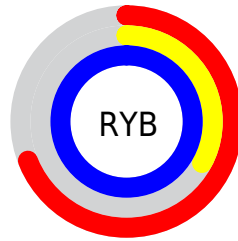
The XYZ color **39.4300, 23.0641, 96.9814** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **52.5037, 79.9623, 21.2618**, and the grayscale version is **21.6812, 22.8103, 24.8404**.

A 20% lighter version of the original color is **62.3531, 43.9807, 99.8105**, and **17.8759, 8.5360, 53.5288** is the 20% darker color. If you saturate the color by 10%, you get **35.2203, 18.4318, 96.3091**, and if you desaturate by 10%, it is **44.5930, 29.2614, 97.9055**.

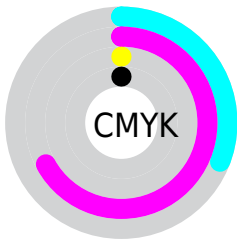
Distribution



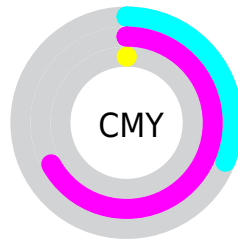
- Red (69%)
- Green (33%)
- Blue (100%)



- Red (69%)
- Yellow (33%)
- Blue (100%)



- Cyan (31%)
- Magenta (67%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (67%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4300, 23.0641, 96.9814 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 39.4300, 23.0641, 96.9814 by changing the saturation by 10% instead.

39.4300, 23.0641,
96.9814

39.4300, 23.0641,
96.9814

334.8910,
268.0541, 571.6345

27.2766, 14.6408,
73.1792

73.5846, 48.4986,
159.0182

17.9188, 8.5677,
53.6298

96.3166, 66.2786,
198.0899

10.9910, 4.4603,
37.9146

123.3055, 87.9462,
243.0886

6.1280, 1.9342,
25.6151

154.9166,
113.8860, 294.4327

2.9645, 0.5688,
16.3127

191.5154,
144.4823, 352.5408

1.1350, 0.0000,
9.5890

233.4671,

0.0541, 0.0000,

180.1195, 417.8314

5.0253

281.1372,
221.1819, 490.7232

■ 0.0000, 0.0000,
2.2031

■ 0.0000, 0.0000,
0.6762

■ 39.4300, 23.0641,
96.9814

■ 39.4300, 23.0641,
96.9814

■ 35.2203, 18.4318,
96.3091

■ 44.5930, 29.2614,
97.9055

■ 31.8734, 15.1955,
95.8608

■ 50.7816, 37.1638,
99.1046

■ 29.2813, 13.1470,
95.6021

■ 58.0637, 46.8979,
100.5996

■ 28.5319, 12.6236,
95.5405

■ 66.4999, 58.5772,
102.4094

■ 76.1460, 72.3061,
104.5509

■ 87.0539, 88.1811,
107.0402

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.



27.1120, 23.0641, 137.5794



39.4300, 23.0641, 96.9814



48.2694, 23.0641, 45.8834

Triad

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



39.4300, 23.0641, 96.9814



28.3116, 23.0641, 0.1944



7.3545, 23.0641, 41.6301

Complementary

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



39.4300, 23.0641, 96.9814



52.5037, 79.9623, 21.2618

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.



7.4881, 23.0641, 11.8026



39.4300, 23.0641, 96.9814



17.4401, 23.0641, 0.1048

Square

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



39.4300, 23.0641, 96.9814



40.5514, 23.0641, 2.4388



10.5582, 23.0641, 2.0119



10.1033, 23.0641, 91.7819

Rectangle

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



39.4300, 23.0641, 96.9814



49.6505, 23.0641, 21.6505



10.5582, 23.0641, 2.0119



7.1000, 23.0641, 28.9260

Sweetspot

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



39.4310, 23.0649, 96.9815



72.7921, 67.4948, 103.7990



35.1319, 35.8222, 99.6705



14.9984, 13.6176, 22.0879



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.



39.4310, 23.0649, 96.9815



34.0132, 17.2067, 96.1363



61.6396, 34.6177, 93.3285



17.9423, 17.8620, 22.7520



15.0829, 6.6860, 49.9302



1.5946, 0.7160, 4.8674

Inverse Universe

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



51.0994, 30.4016, 37.8244



47.5036, 25.6596, 29.0744



41.3806, 74.2010, 21.9640



18.3560, 18.1257, 20.4919



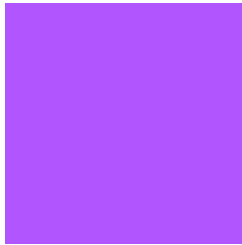
23.2998, 11.8092, 10.2290



2.3230, 1.1716, 1.2823

Previews

White Background



This preview shows how the XYZ color 39.4300, 23.0641, 96.9814 looks on a white background.

Color Contrast Check

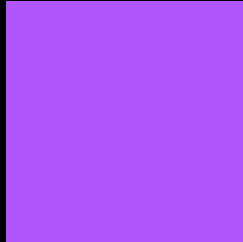
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.4300, 23.0641, 96.9814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

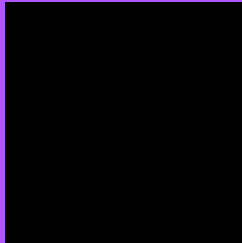
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.4300, 23.0641, 96.9814

Background



This preview shows how black text looks on a background with the XYZ color 39.4300, 23.0641, 96.9814.



This preview shows how white text looks on a background with the XYZ color 39.4300, 23.0641,

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

39.4300, 23.0641, 96.9814

Protanopia

27.3447, 23.4706, 97.6968

Deuteranopia

23.9500, 23.4424, 83.3833



Tritanopia

24.8342, 22.8279, 25.2876

Trichromacy



Original Color

39.4300, 23.0641, 96.9814



Protanomaly

28.9898, 21.4610, 97.2222



Deuteranomaly

24.8048, 20.3442, 88.2074



Tritanomaly

28.5087, 21.8981, 44.3192

Monochromacy



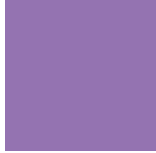
Original Color

39.4300, 23.0641, 96.9814



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

26.2793, 21.7317, 44.4045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4300, 23.0641, 96.9814 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(177, 85, 255)` looks like.

```
.text, #text, p{  
    color:rgb(177, 85, 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(177, 85, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 85, 255) }
```

Border

The CSS property to change the border of an element to XYZ 39.4300, 23.0641, 96.9814 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(177, 85, 255) }
```


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

```
.border{ border-color:rgb(177, 85, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 85, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 85, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 85, 255);  
box-shadow:4px 4px 4px 4px rgb(177, 85,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4300, 23.0641, 96.9814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 85, 255) }
```

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

```
.background{ background-color: rgb(177, 85,  
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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