

Converting Colors

XYZ(39.6650, 23.4053, 89.5397)

Have a look what the booklet for
XYZ(39.6650, 23.4053, 89.5397)
contains.

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Color

**XYZ(39.6502, 23.3412,
89.6043)**

Conversions

Conversions Part 1

Format	Color
Hex	B855F6
RGB	184, 85, 246
RGB Percent	72%, 33%, 96%
CMY	0.2784, 0.6667, 0.0353
CMYK	0.25, 0.65, 0.00, 0.04
HSL	277°, 90%, 65%
HSV	277°, 65%, 96%
XYZ	39.6502, 23.3412, 89.6043
YIQ	132.9550, 7.3230, 71.0590

Conversions

Conversions Part 2

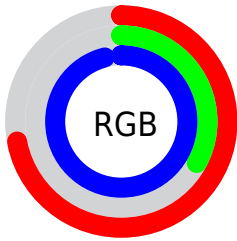
Format	Color
RYB	184, 85, 246
Decimal	12080630
CIELab	55.42, 65.75, -64.28
CIELCh	55, 91.948, 315.646
Yxy	23.3412, 0.2598, 0.1530
Android (android.graphics.Color)	4290270710 (0xFFB855F6)
YUV	132.9550, 55.7312, 44.7665
Hunter-Lab	48.3127, 61.9475, -76.1446

Details

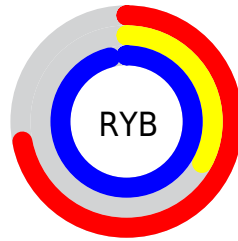
The XYZ color **39.6502, 23.3412, 89.6043** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **46.6286, 72.7710, 20.1837**, and the grayscale version is **22.0810, 23.2309, 25.2985**.

A 20% lighter version of the original color is **64.7363, 45.2093, 99.9220**, and **18.0959, 8.7225, 48.8740** is the 20% darker color. If you saturate the color by 10%, you get **35.8455, 18.9876, 88.9649**, and if you desaturate by 10%, it is **44.2817, 29.1204, 90.4761**.

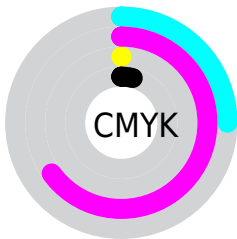
Distribution



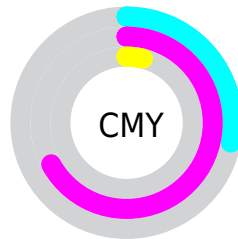
- Red (72%)
- Green (33%)
- Blue (96%)



- Red (72%)
- Yellow (33%)
- Blue (96%)



- Cyan (25%)
- Magenta (65%)
- Yellow (0%)
- Black (4%)




- Cyan (28%)
- Magenta (67%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.6502, 23.3412, 89.6043 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 39.6502, 23.3412, 89.6043 by changing the saturation by 10% instead.

 39.6502, 23.3412,
89.6043


 39.6502, 23.3412,
89.6043


335.8068,
269.4727, 547.2797


 27.4489, 14.8456,
67.0806


 73.9183, 48.9530,
148.7193

 18.0490, 8.7111,
48.6882


 96.7158, 66.8380,
186.1478

 11.0851, 4.5532,
34.0083


 123.7761, 88.6216,
229.3816

 6.1918, 1.9876,
22.6226

 155.4645,
114.6882, 278.8393

 3.0038, 0.6003,
14.1124

192.1465,
145.4223, 334.9394

 1.1558, 0.0000,
8.0592

234.1872,

 0.0710, 0.0000,

181.2081, 398.1005

4.0446

281.9522,
222.4301, 468.7410

■ 0.0000, 0.0000,
1.6498

■ 0.0000, 0.0000,
0.3260

■ 39.6502, 23.3412,
89.6043

■ 39.6502, 23.3412,
89.6043

■ 35.8455, 18.9876,
88.9649

■ 44.2817, 29.1204,
90.4761

■ 32.7884, 15.9091,
88.5319

■ 49.8026, 36.4497,
91.5998

■ 30.3865, 13.9243,
88.2753

■ 56.2723, 45.4425,
92.9946

■ 29.4472, 13.2589,
88.1964

■ 63.7437, 56.2007,
94.6774

72.2655, 68.8177,
96.6636

81.8831, 83.3805,
98.9676

91.9319, 98.5560,
101.3671

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.



27.9894, 23.3412, 129.0993



39.6502, 23.3412, 89.6043



47.5524, 23.3412, 42.3026

Triad

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



39.6502, 23.3412, 89.6043



27.4872, 23.3412, 0.4529



8.0209, 23.3412, 44.0670

Complementary

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



39.6502, 23.3412, 89.6043



46.6286, 72.7710, 20.1837

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.



7.9622, 23.3412, 13.7521



39.6502, 23.3412, 89.6043



17.2444, 23.3412, 0.4904

Square

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



39.6502, 23.3412, 89.6043



39.1855, 23.3412, 2.5735



10.7909, 23.3412, 2.7756



10.9880, 23.3412, 91.7222

Rectangle

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



39.6502, 23.3412, 89.6043



48.4292, 23.3412, 20.2154



10.7909, 23.3412, 2.7756



7.7004, 23.3412, 31.4365

Sweetspot

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



39.6512, 23.3421, 89.6048



74.0230, 68.1293, 103.8566



31.1925, 30.2077, 91.3759



15.2937, 13.7699, 22.1017



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.



39.6512, 23.3421, 89.6048



37.5766, 19.2137, 96.3358



55.5240, 31.7981, 78.0011



16.5596, 16.4311, 20.8413



15.8791, 7.1603, 47.0832



1.5102, 0.6884, 4.1435

Inverse Universe

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



46.5216, 28.1971, 30.5949



46.6436, 25.4987, 23.9807



39.0566, 68.7849, 23.5568



16.7632, 16.5881, 18.4998



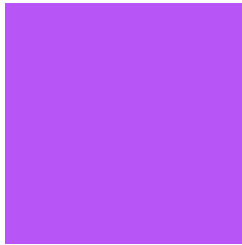
21.4456, 10.9217, 7.0547



1.9335, 0.9794, 0.8761

Previews

White Background



This preview shows how the XYZ color 39.6502, 23.3412, 89.6043 looks on a white background.

Color Contrast Check

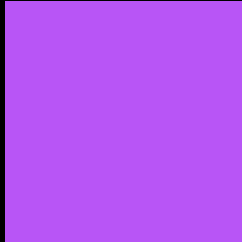
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.6502, 23.3412, 89.6043 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

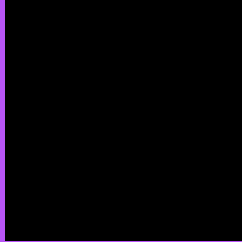
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.6502, 23.3412, 89.6043

Background



This preview shows how black text looks on a background with the XYZ color 39.6502, 23.3412, 89.6043.



This preview shows how white text looks on a background with the XYZ color 39.6502, 23.3412,

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

39.6502, 23.3412, 89.6043

Protanopia

27.6452, 23.8201, 97.7484

Deuteranopia

24.4974, 23.7414, 82.6483



Tritanopia

26.3837, 23.2858, 24.2231

Trichromacy



Original Color

39.6502, 23.3412, 89.6043



Protanomaly

29.1847, 21.7816, 94.7615



Deuteranomaly

26.2093, 21.1377, 85.1367



Tritanomaly

29.8222, 22.4743, 41.7959

Monochromacy



Original Color

39.6502, 23.3412, 89.6043



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

26.8343, 22.2222, 42.9194

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6502, 23.3412, 89.6043 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(184, 85, 246)` looks like.

```
.text, #text, p{  
    color:rgb(184, 85, 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(184, 85, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 85, 246) }
```

Border

The CSS property to change the border of an element to XYZ 39.6502, 23.3412, 89.6043 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(184, 85, 246) }
```


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

```
.border{ border-color:rgb(184, 85, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 85, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 85, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 85, 246);  
box-shadow:4px 4px 4px 4px rgb(184, 85,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6502, 23.3412, 89.6043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 85, 246) }
```

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

```
.background{ background-color: rgb(184, 85,  
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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