

Converting Colors

XYZ(39.9858, 23.4254, 85.3488)

Have a look what the booklet for
XYZ(39.9858, 23.4254, 85.3488)
contains.

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Color

**XYZ(39.9567, 23.3562,
85.6213)**

Conversions

Conversions Part 1

Format	Color
Hex	BD53F1
RGB	189, 83, 241
RGB Percent	74%, 33%, 95%
CMY	0.2588, 0.6745, 0.0549
CMYK	0.22, 0.66, 0.00, 0.05
HSL	280°, 85%, 64%
HSV	280°, 66%, 95%
XYZ	39.9567, 23.3562, 85.6213
YIQ	132.7060, 12.4580, 71.6100

Conversions

Conversions Part 2

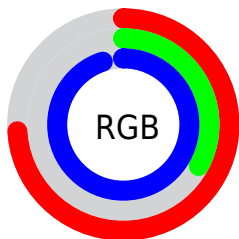
Format	Color
R _Y B	189, 83, 241
Decimal	12407793
CIE Lab	55.44, 66.64, -61.43
CIE LCh	55, 90.637, 317.327
Yxy	23.3562, 0.2683, 0.1568
Android (android.graphics.Color)	4290597873 (0xFFBD53F1)
YUV	132.7060, 53.3889, 49.3698
Hunter-Lab	48.3283, 63.0053, -71.2120

Details

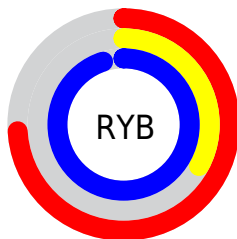
The XYZ color **39.9567, 23.3562, 85.6213** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **43.0088, 68.6865, 19.1753**, and the grayscale version is **21.9978, 23.1434, 25.2032**.

A 20% lighter version of the original color is **66.3495, 45.8250, 99.9558**, and **18.2281, 8.7186, 46.0695** is the 20% darker color. If you saturate the color by 10%, you get **36.5090, 19.3013, 85.0207**, and if you desaturate by 10%, it is **44.1545, 28.7493, 86.4414**.

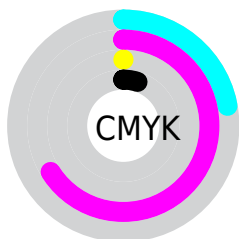
Distribution



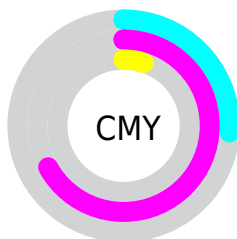
- Red (74%)
- Green (33%)
- Blue (95%)



- Red (74%)
- Yellow (33%)
- Blue (95%)



- Cyan (22%)
- Magenta (66%)
- Yellow (0%)
- Black (5%)



- Cyan (26%)
- Magenta (67%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.9567, 23.3562, 85.6213 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 39.9567, 23.3562, 85.6213 by changing the saturation by 10% instead.


 39.9567, 23.3562,
85.6213

 39.9567, 23.3562,
85.6213


337.0786,
269.5493, 533.8798


 27.6888, 14.8567,
63.8018


 74.3823, 48.9775,
143.1228


 18.2305, 8.7189,
46.0450


 97.2708, 66.8682,
179.6418

 11.2163, 4.5583,
31.9324


 124.4302, 88.6581,
221.8977

 6.2809, 1.9905,
21.0455

 156.2259,
114.7316, 270.3091

 3.0589, 0.6019,
12.9657

193.0233,
145.4730, 325.2944

 1.1850, 0.0000,
7.2745

235.1876,

 0.0945, 0.0000,

181.2669, 387.2723

3.5533

283.0842,
222.4975, 456.6612

■ 0.0000, 0.0000,
1.3836

■ 0.0000, 0.0000,
0.1289

■ 39.9567, 23.3562,
85.6213

■ 39.9567, 23.3562,
85.6213

■ 36.5090, 19.3013,
85.0207

■ 44.1545, 28.7493,
86.4414

■ 33.7370, 16.4416,
84.6149

■ 49.1607, 35.5983,
87.4996

■ 31.5540, 14.6052,
84.3755

■ 55.0310, 44.0106,
88.8139

■ 30.7138, 13.9994,
84.3028

■ 61.8146, 54.0828,
90.4005

69.5571, 65.9032,
92.2740

78.3006, 79.5543,
94.4481

88.0847, 95.1126,
96.9355

91.9469, 98.6513,
97.4149

92.8773, 99.1309,
97.4585

Harmonies

Analogous

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



28.5646, 23.3562, 125.4909



39.9567, 23.3562, 85.6213



47.3434, 23.3562, 39.8429

Triad

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



39.9567, 23.3562, 85.6213



26.7837, 23.3562, 0.5001



8.2516, 23.3562, 46.0841

Complementary

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



39.9567, 23.3562, 85.6213



43.0088, 68.6865, 19.1753

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.



8.0404, 23.3562, 14.9957



39.9567, 23.3562, 85.6213



16.8578, 23.3562, 0.6333

Square

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



39.9567, 23.3562, 85.6213



38.3140, 23.3562, 2.4585



10.6805, 23.3562, 3.2021



11.3868, 23.3562, 93.0699

Rectangle

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



39.9567, 23.3562, 85.6213



47.8714, 23.3562, 18.9217



10.6805, 23.3562, 3.2021



7.8802, 23.3562, 33.2841

Sweetspot

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



39.9577, 23.3571, 85.6218



74.9752, 68.6202, 103.9011



28.2025, 25.7053, 86.6947



15.5228, 13.8880, 22.1125



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.



39.9577, 23.3571, 85.6218



40.2606, 20.5973, 96.4615



51.5924, 29.7771, 67.0946



15.9193, 15.7556, 19.9237



16.8034, 7.6679, 45.7223



1.5023, 0.6917, 3.8086

Inverse Universe

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



43.7426, 26.6372, 25.7582



45.9193, 25.2090, 20.1667



37.8015, 65.8614, 25.2833



15.9873, 15.8446, 17.4893



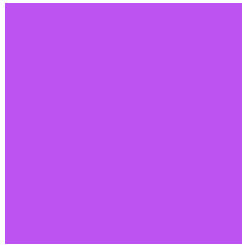
20.4983, 10.4718, 5.2748



1.7495, 0.8888, 0.6717

Previews

White Background



This preview shows how the XYZ color 39.9567, 23.3562, 85.6213 looks on a white background.

Color Contrast Check

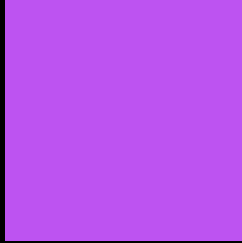
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.9567, 23.3562, 85.6213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

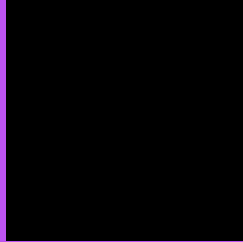
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.9567, 23.3562, 85.6213

Background



This preview shows how black text looks on a background with the XYZ color 39.9567, 23.3562, 85.6213.



This preview shows how white text looks on a background with the XYZ color 39.9567, 23.3562,

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

39.9567, 23.3562, 85.6213

Protanopia

27.7039, 23.8503, 97.7512

Deuteranopia

24.5560, 23.8544, 78.9114



Tritanopia

27.1038, 23.1471, 23.1180

Trichromacy



Original Color

39.9567, 23.3562, 85.6213



Protanomaly

28.9933, 21.5546, 93.0748



Deuteranomaly

26.7203, 21.3137, 81.3029



Tritanomaly

30.4796, 22.3953, 39.7621

Monochromacy



Original Color

39.9567, 23.3562, 85.6213



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

26.7140, 22.0123, 41.8705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9567, 23.3562, 85.6213 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, 83, 241)` looks like.

```
.text, #text, p{  
    color:rgb(189, 83, 241)  
}
```

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, 83, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 83, 241) }
```

Border

The CSS property to change the border of an element to XYZ 39.9567, 23.3562, 85.6213 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, 83, 241) }
```


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

```
.border{ border-color:rgb(189, 83, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 83, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 83, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 83, 241);  
box-shadow:4px 4px 4px 4px rgb(189, 83,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9567, 23.3562, 85.6213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 83, 241) }
```

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

```
.background{ background-color: rgb(189, 83,  
241) }
```

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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