

Converting Colors

XYZ(39.0456, 23.0444, 96.9978)

Have a look what the booklet for
XYZ(39.0456, 23.0444, 96.9978)
contains.

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Color

**XYZ(39.1374, 23.1503,
97.0134)**

Conversions

Conversions Part 1

Format	Color
Hex	AF57FF
RGB	175, 87, 255
RGB Percent	69%, 34%, 100%
CMY	0.3137, 0.6588, 0.0000
CMYK	0.31, 0.66, 0.00, 0.00
HSL	271°, 100%, 67%
HSV	271°, 66%, 100%
XYZ	39.1374, 23.1503, 97.0134
YIQ	132.4640, -1.4800, 70.9040

Conversions

Conversions Part 2

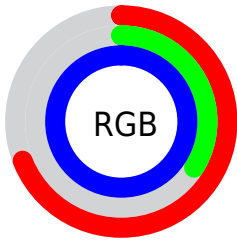
Format	Color
R_{YB}	175, 87, 255
Decimal	11491327
CIE _{Lab}	55.23, 64.97, -69.65
CIE _{LCh}	55, 95.245, 313.010
Yxy	23.1503, 0.2457, 0.1453
Android (android.graphics.Color)	4289681407 (0xFFAF57FF)
YUV	132.4640, 60.4102, 37.3041
Hunter-Lab	48.1148, 60.9942, -85.8656

Details

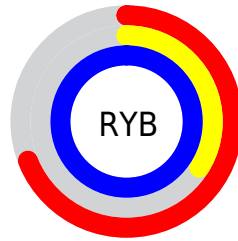
The XYZ color **39.1374, 23.1503, 97.0134** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **53.4163, 80.4234, 21.7252**, and the grayscale version is **21.8894, 23.0294, 25.0790**.

A 20% lighter version of the original color is **61.9840, 44.2282, 99.8777**, and **17.6958, 8.5747, 53.5457** is the 20% darker color. If you saturate the color by 10%, you get **34.8216, 18.3832, 96.3208**, and if you desaturate by 10%, it is **44.4290, 29.5026, 97.9607**.

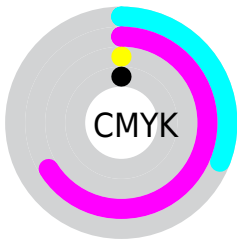
Distribution



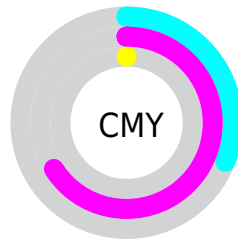
- Red (69%)
- Green (34%)
- Blue (100%)



- Red (69%)
- Yellow (34%)
- Blue (100%)



- Cyan (31%)
- Magenta (66%)
- Yellow (0%)
- Black (0%)





- Cyan (31%)
- Magenta (66%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.1374, 23.1503, 97.0134 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 39.1374, 23.1503, 97.0134 by changing the saturation by 10% instead.

 39.1374, 23.1503,
97.0134

 39.1374, 23.1503,
97.0134

333.6714,
268.4960, 571.7389

 27.0478, 14.7045,
73.2057


 73.1409, 48.6400,
159.0627


 17.7459, 8.6123,
53.6514


 95.7855, 66.4527,
198.1414

 10.8663, 4.4892,
37.9317


 122.6793, 88.1565,
243.1476

 6.0436, 1.9508,
25.6283

 154.1874,
114.1359, 294.4997

 2.9125, 0.5786,
16.3225

190.6754,
144.7751, 352.6164

 1.1077, 0.0000,
9.5958

232.5084,

 0.0315, 0.0000,

180.4586, 417.9161

5.0297

280.0520,
221.5708, 490.8175

■ 0.0000, 0.0000,
2.2057

■ 0.0000, 0.0000,
0.6776

■ 39.1374, 23.1503,
97.0134

■ 39.1374, 23.1503,
97.0134

■ 34.8216, 18.3832,
96.3208

■ 44.4290, 29.5026,
97.9607

■ 31.3913, 15.0343,
95.8551

■ 50.7686, 37.5791,
99.1854

■ 28.7409, 12.9007,
95.5830

■ 58.2241, 47.5056,
100.7085

■ 27.8141, 12.2536,
95.5070

■ 66.8564, 59.3952,
102.5484

■ 76.7216, 73.3518,
104.7224

■ 87.8718, 89.4718,
107.2462

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.



26.9434, 23.1503, 136.4100



39.1374, 23.1503, 97.0134



47.9740, 23.1503, 46.5215

Triad

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



39.1374, 23.1503, 97.0134



28.5464, 23.1503, 0.2888



7.4741, 23.1503, 40.8496

Complementary

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



39.1374, 23.1503, 97.0134



53.4163, 80.4234, 21.7252

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.



7.6547, 23.1503, 11.6596



39.1374, 23.1503, 97.0134



17.7079, 23.1503, 0.1691

Square

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



39.1374, 23.1503, 97.0134



40.6323, 23.1503, 2.6330



10.7822, 23.1503, 2.0445



10.1691, 23.1503, 90.1108

Rectangle

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



39.1374, 23.1503, 97.0134



49.4440, 23.1503, 22.2506



10.7822, 23.1503, 2.0445



7.2346, 23.1503, 28.4137

Sweetspot

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



39.1384, 23.1511, 97.0135



72.5060, 67.3473, 103.7856



36.0204, 37.3258, 99.9139



14.9298, 13.5823, 22.0847



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.



39.1384, 23.1511, 97.0135



33.6613, 17.1952, 96.1526



62.2508, 35.1177, 95.7592



17.9111, 17.8459, 22.7505



14.7072, 6.4923, 49.9126



1.5582, 0.6972, 4.8657

Inverse Universe

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



51.6232, 30.8666, 39.7953



48.0011, 26.0418, 31.1296



41.5277, 74.2811, 21.7776



18.3696, 18.1311, 20.5632



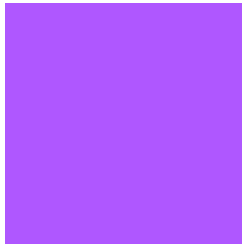
23.4401, 11.8653, 10.9677



2.3370, 1.1772, 1.3563

Previews

White Background



This preview shows how the XYZ color 39.1374, 23.1503, 97.0134 looks on a white background.

Color Contrast Check

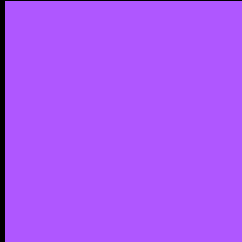
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.1374, 23.1503, 97.0134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

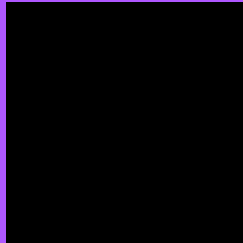
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.1374, 23.1503, 97.0134

Background



This preview shows how black text looks on a background with the XYZ color 39.1374, 23.1503, 97.0134.



This preview shows how white text looks on a background with the XYZ color 39.1374, 23.1503,

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

39.1374, 23.1503, 97.0134

Protanopia

27.4001, 23.4991, 97.6994

Deuteranopia

23.9500, 23.4424, 83.3833



Tritanopia

24.6476, 22.9088, 25.6770

Trichromacy



Original Color

39.1374, 23.1503, 97.0134



Protanomaly

29.1007, 21.6829, 97.2592



Deuteranomaly

24.9219, 20.5785, 88.2465



Tritanomaly

28.4183, 22.1603, 44.8990

Monochromacy



Original Color

39.1374, 23.1503, 97.0134



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

26.3939, 21.9610, 44.4428

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.1374, 23.1503, 97.0134 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(175, 87, 255)` looks like.

```
.text, #text, p{  
    color:rgb(175, 87, 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(175, 87, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 87, 255) }
```

Border

The CSS property to change the border of an element to XYZ 39.1374, 23.1503, 97.0134 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(175, 87, 255) }
```


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

```
.border{ border-color:rgb(175, 87, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 87, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 87, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 87, 255);  
box-shadow:4px 4px 4px 4px rgb(175, 87,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 39.1374, 23.1503, 97.0134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 87, 255) }
```

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

```
.background{ background-color: rgb(175, 87,  
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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