

Converting Colors

$Y_{xy}(25.5641, 0.2266, 0.1280)$

Have a look what the booklet for
Yxy(25.5641, 0.2266, 0.1280)
contains.

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Color

Yxy(23.1503, 0.2457, 0.1453)

Conversions

Conversions Part 1

Format	Color
Hex	AF57FF
RGB	175, 87, 255
RGB Percent	69%, 34%, 100%
CMY	0.3136, 0.6590, 0.0000
CMYK	0.31, 0.66, 0.00, 0.00
HSL	271°, 100%, 67%
HSV	271°, 66%, 100%
XYZ	39.1468, 23.1503, 97.0305
YIQ	132.4640, -1.4800, 70.9040

Conversions

Conversions Part 2

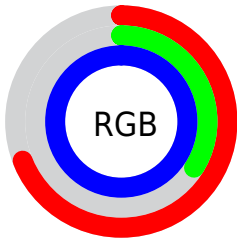
Format	Color
R _Y B	175, 87, 255
Decimal	11491327
CIE Lab	55.23, 65.00, -69.66
CIE LCh	55, 95.274, 313.019
Yxy	23.1503, 0.2457, 0.1453
Android (android.graphics.Color)	4289681407 (0xFFAF57FF)
YUV	132.4640, 60.4102, 37.3041
Hunter-Lab	48.1148, 61.0291, -85.8867

Details

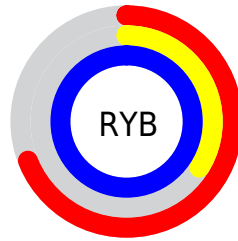
The Yxy color **23.1503, 0.2457, 0.1453** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **80.4144, 0.3433, 0.5170**, and the grayscale version is **23.0257, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.2282, 0.3008, 0.2146**, and **8.5747, 0.2217, 0.1074** is the 20% darker color. If you saturate the color by 10%, you get **18.3844, 0.2329, 0.1229**, and if you desaturate by 10%, it is **29.4984, 0.2585, 0.1716**.

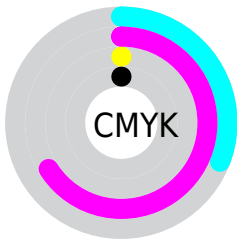
Distribution



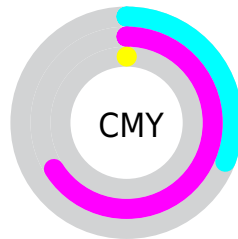
- Red (69%)
- Green (34%)
- Blue (100%)



- 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 Yxy color 23.1503, 0.2457, 0.1453 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 Yxy color 23.1503, 0.2457, 0.1453 by changing the saturation by 10% instead.


 23.1503, 0.2457,
0.1453

 23.1503, 0.2457,
0.1453


268.4960, 0.2843,
0.2287


 14.7045, 0.2353,
0.1279


 48.6400, 0.2604,
0.1732


 8.6123, 0.2218,
0.1076


 66.4527, 0.2658,
0.1844

 4.4892, 0.2039,
0.0842


 88.1565, 0.2702,
0.1942

 1.9508, 0.1798,
0.0580

 114.1359, 0.2740,
0.2028

 0.5786, 0.1470,
0.0292

144.7751, 0.2771,
0.2104

 0.0000, 0.1035,
0.0000

180.4586, 0.2798,


 0.0000, 0.0064,


0.2172


0.0000


221.5708, 0.2822,
0.2232

 0.0000, 0.0000,
0.0000


 23.1503, 0.2457,
0.1453


 23.1503, 0.2457,
0.1453

 18.3844, 0.2329,
0.1229


 29.4984, 0.2585,
0.1716


 15.0376, 0.2207,
0.1057

 37.5716, 0.2707,
0.2004

 12.9055, 0.2095,
0.0940

 47.4944, 0.2821,
0.2301

 12.2607, 0.2052,
0.0904

 59.3801, 0.2922,
0.2596

 73.3324, 0.3011,
0.2878

 89.4477, 0.3088,
0.3144

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



23.1503, 0.1445, 0.1241



23.1503, 0.2457, 0.1453



23.1503, 0.4079, 0.1968

Triad

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



23.1503, 0.2457, 0.1453



23.1503, 0.5491, 0.4454



23.1503, 0.1045, 0.3238

Complementary

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



23.1503, 0.2457, 0.1453



80.4144, 0.3433, 0.5170

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.



23.1503, 0.1802, 0.5452



23.1503, 0.2457, 0.1453



23.1503, 0.4316, 0.5643

Square

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



23.1503, 0.2457, 0.1453



23.1503, 0.6118, 0.3486



23.1503, 0.2996, 0.6436



23.1503, 0.0823, 0.1875

Rectangle

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



23.1503, 0.2457, 0.1453



23.1503, 0.5214, 0.2441



23.1503, 0.2996, 0.6436



23.1503, 0.1230, 0.3937

Sweetspot

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



23.1497, 0.2457, 0.1453



67.3502, 0.2976, 0.2764



37.3170, 0.2079, 0.2154



13.5830, 0.2951, 0.2684



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.1497, 0.2457, 0.1453



17.2023, 0.2290, 0.1170



35.1116, 0.3223, 0.1818



17.8462, 0.3061, 0.3050



6.4961, 0.2069, 0.0913



0.6976, 0.2189, 0.0979

Inverse Universe

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



30.8578, 0.4223, 0.2525



26.0395, 0.4565, 0.2477



74.2787, 0.3018, 0.5399



18.1310, 0.3219, 0.3177



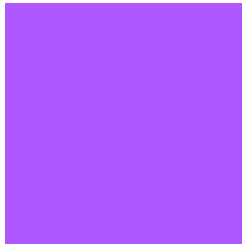
11.8642, 0.5067, 0.2565



1.1771, 0.4800, 0.2418

Previews

White Background



This preview shows how the Yxy color 23.1503, 0.2457, 0.1453 looks on a white background.

Color Contrast Check

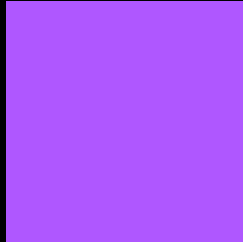
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 23.1503, 0.2457, 0.1453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

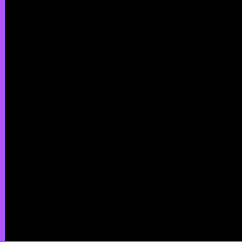
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.1503, 0.2457, 0.1453

Background



This preview shows how black text looks on a background with the Yxy color 23.1503, 0.2457, 0.1453.



This preview shows how white text looks on a background with the Yxy color 23.1503, 0.2457, 0.1453.

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

23.1503, 0.2457, 0.1453

Protanopia

23.4991, 0.1844, 0.1581

Deuteranopia

23.4424, 0.1831, 0.1793



Tritanopia

22.9088, 0.3366, 0.3128

Trichromacy



Original Color

23.1503, 0.2457, 0.1453



Protanomaly

21.6829, 0.1966, 0.1465



Deuteranomaly

20.5785, 0.1863, 0.1539



Tritanomaly

22.1603, 0.2976, 0.2321

Monochromacy



Original Color

23.1503, 0.2457, 0.1453



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

21.9610, 0.2844, 0.2367

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1503, 0.2457, 0.1453 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 Yxy 23.1503, 0.2457, 0.1453 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 Yxy 23.1503, 0.2457, 0.1453 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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