

Converting Colors

$Y_{xy}(23.1152, 0.2492, 0.1639)$

Have a look what the booklet for
Yxy(23.1152, 0.2492, 0.1639)
contains.

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Color

Yxy(23.1213, 0.2493, 0.1640)

Conversions

Conversions Part 1

Format	Color
Hex	A464ED
RGB	164, 100, 237
RGB Percent	64%, 39%, 93%
CMY	0.3569, 0.6078, 0.0707
CMYK	0.31, 0.58, 0.00, 0.07
HSL	268°, 79%, 66%
HSV	268°, 58%, 93%
XYZ	35.1472, 23.1213, 82.7150
YIQ	134.7540, -5.8330, 56.1750

Conversions

Conversions Part 2

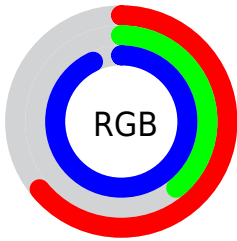
Format	Color
RYB	164, 100, 237
Decimal	10773741
CIELab	55.20, 52.00, -59.74
CIELCh	55, 79.199, 311.040
Yxy	23.1213, 0.2493, 0.1640
Android (android.graphics.Color)	4288963821 (0xFFA464ED)
YUV	134.7540, 50.4073, 25.6487
Hunter-Lab	48.0846, 46.3256, -68.3313

Details

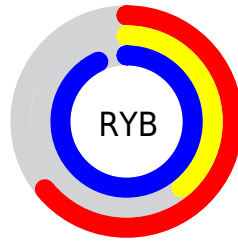
The Yxy color **23.1213, 0.2493, 0.1640** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **70.3635, 0.3479, 0.4914**, and the grayscale version is **23.9460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5321, 0.2901, 0.2217**, and **8.6177, 0.2263, 0.1266** is the 20% darker color. If you saturate the color by 10%, you get **17.9396, 0.2352, 0.1374**, and if you desaturate by 10%, it is **29.7599, 0.2630, 0.1933**.

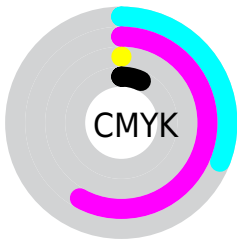
Distribution



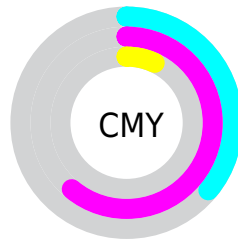
- Red (64%)
- Green (39%)
- Blue (93%)



- Red (64%)
- Yellow (39%)
- Blue (93%)



- Cyan (31%)
- Magenta (58%)
- Yellow (0%)
- Black (7%)





- Cyan (36%)
- Magenta (61%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1213, 0.2493, 0.1640 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 23.1213, 0.2493, 0.1640 by changing the saturation by 10% instead.


 23.1213, 0.2493,
0.1640


 23.1213, 0.2493,
0.1640


268.3474, 0.2856,
0.2420


 14.6831, 0.2393,
0.1468


 48.5924, 0.2633,
0.1908


 8.5973, 0.2262,
0.1262


 66.3941, 0.2683,
0.2014

 4.4795, 0.2086,
0.1015


 88.0858, 0.2725,
0.2105

 1.9452, 0.1840,
0.0726

 114.0518, 0.2760,
0.2184

 0.5753, 0.1497,
0.0384

144.6766, 0.2789,
0.2254

 0.0000, 0.1021,
0.0000

180.3445, 0.2815,

 0.0000, 0.0000,

0.2316

0.0000

221.4400, 0.2837,
0.2370

■ 23.1213, 0.2493,
0.1640

■ 23.1213, 0.2493,
0.1640

■ 17.9396, 0.2352,
0.1374

■ 29.7599, 0.2630,
0.1933

■ 14.0902, 0.2213,
0.1149

■ 37.9606, 0.2759,
0.2236

■ 11.4307, 0.2084,
0.0979


■ 47.8216, 0.2875,
0.2537


■ 9.7678, 0.1969,
0.0866


■ 59.4320, 0.2978,
0.2825

■ 9.4713, 0.1945,
0.0845

■ 72.8745, 0.3067,
0.3095

 88.2265, 0.3143,
0.3343

 98.4030, 0.3216,
0.3465

 98.8932, 0.3232,
0.3464

Harmonies

Analogous

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



23.1213, 0.1605, 0.1462



23.1213, 0.2493, 0.1640



23.1213, 0.3847, 0.2102

Triad

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



23.1213, 0.2493, 0.1640



23.1213, 0.5320, 0.4396



23.1213, 0.1346, 0.3401

Complementary

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



23.1213, 0.2493, 0.1640



70.3635, 0.3479, 0.4914

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.



23.1213, 0.2107, 0.5133



23.1213, 0.2493, 0.1640



23.1213, 0.4366, 0.5347

Square

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



23.1213, 0.2493, 0.1640



23.1213, 0.5728, 0.3535



23.1213, 0.3219, 0.5911



23.1213, 0.1070, 0.2156

Rectangle

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



23.1213, 0.2493, 0.1640



23.1213, 0.4799, 0.2536



23.1213, 0.3219, 0.5911



23.1213, 0.1543, 0.3975

Sweetspot

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



23.1221, 0.2493, 0.1640



71.2703, 0.2985, 0.2846



38.7361, 0.2219, 0.2422



14.6194, 0.2965, 0.2789



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.



23.1221, 0.2493, 0.1640



20.4190, 0.2331, 0.1337



32.4569, 0.3146, 0.1917



14.8937, 0.3053, 0.3052



5.2486, 0.1962, 0.0855



0.4689, 0.2115, 0.0939

Inverse Universe

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



30.1373, 0.3917, 0.2511



29.8698, 0.4161, 0.2410



64.4553, 0.3061, 0.5144



15.1883, 0.3209, 0.3165



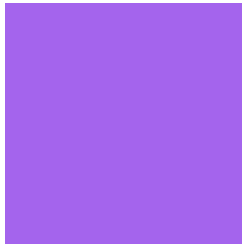
10.6836, 0.4817, 0.2427



0.8583, 0.4533, 0.2271

Previews

White Background



This preview shows how the Yxy color 23.1213, 0.2493, 0.1640 looks on a white background.

Color Contrast Check

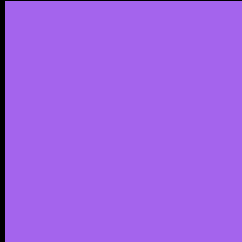
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1213, 0.2493, 0.1640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

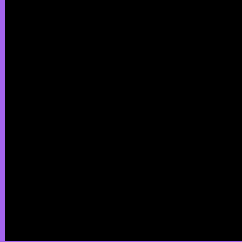
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.1213, 0.2493, 0.1640

Background



This preview shows how black text looks on a background with the Yxy color 23.1213, 0.2493, 0.1640.



This preview shows how white text looks on a background with the Yxy color 23.1213, 0.2493, 0.1640.

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

23.1213, 0.2493, 0.1640

Protanopia

23.5579, 0.1849, 0.1583

Deuteranopia

23.5202, 0.1928, 0.1868



Tritanopia

23.0046, 0.3229, 0.3124

Trichromacy



Original Color

23.1213, 0.2493, 0.1640



Protanomaly

22.2756, 0.1993, 0.1566



Deuteranomaly

22.1294, 0.2041, 0.1725



Tritanomaly

22.4151, 0.2928, 0.2444

Monochromacy



Original Color

23.1213, 0.2493, 0.1640



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

23.0086, 0.2874, 0.2519

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1213, 0.2493, 0.1640 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(164, 100, 237)` looks like.

```
.text, #text, p{  
    color:rgb(164, 100, 237)  
}
```

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(164, 100, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 100, 237) }
```

Border

The CSS property to change the border of an element to Yxy 23.1213, 0.2493, 0.1640 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(164, 100, 237) }
```

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

```
.border{ border-color:rgb(164, 100, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 100, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 100, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 100, 237);  
box-shadow:4px 4px 4px 4px rgb(164, 100,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1213, 0.2493, 0.1640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 100, 237) }
```

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

```
.background{ background-color: rgb(164,  
100, 237) }
```

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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