

Converting Colors

$Y_{xy}(23.3525, 0.2414, 0.1487)$

Have a look what the booklet for
Yxy(23.3525, 0.2414, 0.1487)
contains.

Yxy(23.2454, 0.2415, 0.1486)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(23.2454, 0.2415, 0.1486)

Conversions

Conversions Part 1

Format	Color
Hex	A85DFD
RGB	168, 93, 253
RGB Percent	66%, 36%, 99%
CMY	0.3415, 0.6351, 0.0079
CMYK	0.34, 0.63, 0.00, 0.01
HSL	268°, 98%, 68%
HSV	268°, 63%, 99%
XYZ	37.7777, 23.2454, 95.4063
YIQ	133.6650, -6.6600, 65.6600

Conversions

Conversions Part 2

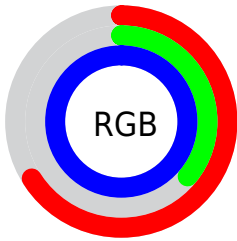
Format	Color
RYB	168, 93, 253
Decimal	11034109
CIELab	55.32, 60.19, -68.41
CIELCh	55, 91.120, 311.343
Yxy	23.2454, 0.2415, 0.1486
Android (android.graphics.Color)	4289224189 (0xFFA85DFD)
YUV	133.6650, 58.8322, 30.1118
Hunter-Lab	48.2135, 55.4901, -83.5754

Details

The Yxy color **23.2454, 0.2415, 0.1486** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **80.5065, 0.3490, 0.5064**, and the grayscale version is **23.4972, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4183, 0.2941, 0.2171**, and **8.6424, 0.2166, 0.1109** is the 20% darker color. If you saturate the color by 10%, you get **18.1123, 0.2274, 0.1241**, and if you desaturate by 10%, it is **30.0012, 0.2555, 0.1767**.

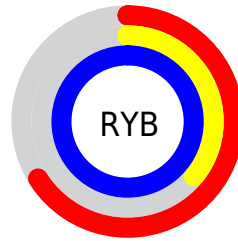
Distribution



Red (66%)

Green (36%)

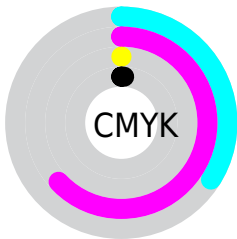
Blue (99%)



Red (66%)

Yellow (36%)

Blue (99%)

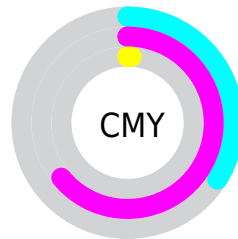


Cyan (34%)

Magenta (63%)

Yellow (0%)

Black (1%)



Cyan (34%)


Magenta (64%)


Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.2454, 0.2415, 0.1486 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 23.2454, 0.2415, 0.1486 by changing the saturation by 10% instead.


 23.2454, 0.2415,
0.1486


 23.2454, 0.2415,
0.1486


268.9829, 0.2819,
0.2312


 14.7748, 0.2307,
0.1312


 48.7960, 0.2569,
0.1764


 8.6615, 0.2168,
0.1108


 66.6447, 0.2625,
0.1875

 4.5211, 0.1983,
0.0871


 88.3883, 0.2671,
0.1972

 1.9691, 0.1735,
0.0604

 114.4112, 0.2710,
0.2057

 0.5894, 0.1401,
0.0309

145.0977, 0.2744,
0.2132

 0.0000, 0.0962,
0.0000

180.8322, 0.2772,

 0.0000, 0.0000,

0.2199

0.0000

221.9992, 0.2797,
0.2258

■ 23.2454, 0.2415,
0.1486

■ 23.2454, 0.2415,
0.1486

■ 18.1123, 0.2274,
0.1241

■ 30.0012, 0.2555,
0.1767

■ 14.4438, 0.2140,
0.1046

■ 38.5125, 0.2689,
0.2067


■ 12.0521, 0.2018,
0.0909

■ 48.9003, 0.2813,
0.2372

■ 10.9727, 0.1944,
0.0845

■ 61.2744, 0.2923,
0.2669

■ 75.7355, 0.3020,
0.2950

 92.3776, 0.3103,
0.3211

99.8705, 0.3139,
0.3309

Harmonies

Analogous

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



23.2454, 0.1457, 0.1294



23.2454, 0.2415, 0.1486



23.2454, 0.3948, 0.1977

Triad

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



23.2454, 0.2415, 0.1486



23.2454, 0.5484, 0.4397



23.2454, 0.1140, 0.3359

Complementary

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



23.2454, 0.2415, 0.1486



80.5065, 0.3490, 0.5064

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.



23.2454, 0.1925, 0.5443



23.2454, 0.2415, 0.1486



23.2454, 0.4381, 0.5519

Square

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



23.2454, 0.2415, 0.1486



23.2454, 0.6027, 0.3470



23.2454, 0.3110, 0.6291



23.2454, 0.0885, 0.1982

Rectangle

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



23.2454, 0.2415, 0.1486



23.2454, 0.5046, 0.2437



23.2454, 0.3110, 0.6291



23.2454, 0.1337, 0.4036

Sweetspot

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



23.2462, 0.2415, 0.1486



68.3242, 0.2966, 0.2790



41.4005, 0.2142, 0.2319



13.7520, 0.2937, 0.2708



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.



23.2462, 0.2415, 0.1486



17.2476, 0.2235, 0.1180



34.8215, 0.3145, 0.1818



17.7946, 0.3052, 0.3050



5.9231, 0.1960, 0.0854



0.6410, 0.2085, 0.0922

Inverse Universe

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



31.9362, 0.4037, 0.2457



27.3089, 0.4322, 0.2378



73.6470, 0.3052, 0.5330



18.1486, 0.3210, 0.3164



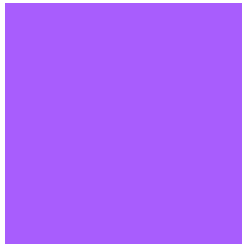
12.0624, 0.4829, 0.2434



1.1966, 0.4593, 0.2304

Previews

White Background



This preview shows how the Yxy color 23.2454, 0.2415, 0.1486 looks on a white background.

Color Contrast Check

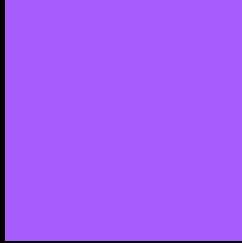
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2454, 0.2415, 0.1486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

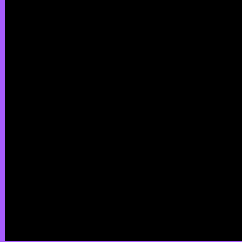
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.2454, 0.2415, 0.1486

Background



This preview shows how black text looks on a background with the Yxy color 23.2454, 0.2415, 0.1486.



This preview shows how white text looks on a background with the Yxy color 23.2454, 0.2415, 0.1486.

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

23.2454, 0.2415, 0.1486

Protanopia

23.5282, 0.1847, 0.1582

Deuteranopia

23.5010, 0.1829, 0.1784



Tritanopia

23.0046, 0.3229, 0.3124

Trichromacy



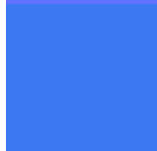
Original Color

23.2454, 0.2415, 0.1486



Protanomaly

21.9586, 0.1964, 0.1490



Deuteranomaly

20.8961, 0.1863, 0.1568



Tritanomaly

22.2884, 0.2879, 0.2341

Monochromacy



Original Color

23.2454, 0.2415, 0.1486



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

22.4790, 0.2825, 0.2407

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2454, 0.2415, 0.1486 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(168, 93, 253)` looks like.

```
.text, #text, p{  
    color:rgb(168, 93, 253)  
}
```

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(168, 93, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 93, 253) }
```

Border

The CSS property to change the border of an element to Yxy 23.2454, 0.2415, 0.1486 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(168, 93, 253) }
```

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

```
.border{ border-color:rgb(168, 93, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 93, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 93, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 93, 253);  
box-shadow:4px 4px 4px 4px rgb(168, 93,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2454, 0.2415, 0.1486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 93, 253) }
```

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

```
.background{ background-color: rgb(168, 93,  
253) }
```

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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