

Converting Colors

$Y_{xy}(23.6923, 0.2344, 0.1719)$

Have a look what the booklet for
Yxy(23.6923, 0.2344, 0.1719)
contains.

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Color

Yxy(23.6481, 0.2347, 0.1722)

Conversions

Conversions Part 1

Format	Color
Hex	8F71EB
RGB	143, 113, 235
RGB Percent	56%, 44%, 92%
CMY	0.4390, 0.5569, 0.0785
CMYK	0.39, 0.52, 0.00, 0.08
HSL	255°, 75%, 68%
HSV	255°, 52%, 92%
XYZ	32.2312, 23.6481, 81.4500
YIQ	135.8780, -21.2820, 44.3020

Conversions

Conversions Part 2

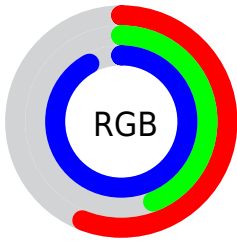
Format	Color
RYB	143, 113, 235
Decimal	9400811
CIELab	55.73, 39.47, -57.88
CIElCh	56, 70.056, 304.296
Yxy	23.6481, 0.2347, 0.1722
Android (android.graphics.Color)	4287590891 (0xFF8F71EB)
YUV	135.8780, 48.8671, 6.2460
Hunter-Lab	48.6293, 33.2073, -65.2652

Details

The Yxy color **23.6481, 0.2347, 0.1722** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **73.5687, 0.3657, 0.4651**, and the grayscale version is **24.3946, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5478, 0.2741, 0.2295**, and **8.8596, 0.2087, 0.1349** is the 20% darker color. If you saturate the color by 10%, you get **17.6093, 0.2164, 0.1406**, and if you desaturate by 10%, it is **31.2951, 0.2527, 0.2053**.

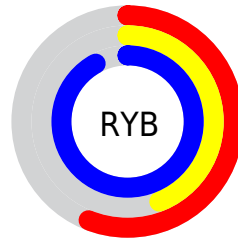
Distribution



Red (56%)

Green (44%)

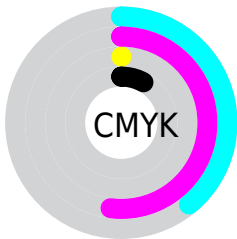
Blue (92%)



Red (56%)

Yellow (44%)

Blue (92%)

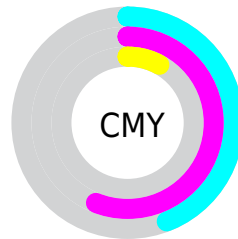


Cyan (39%)

Magenta (52%)

Yellow (0%)

Black (8%)



Cyan (44%)


Magenta (56%)

Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6481, 0.2347, 0.1722 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 23.6481, 0.2347, 0.1722 by changing the saturation by 10% instead.

 23.6481, 0.2347,
0.1722


 23.6481, 0.2347,
0.1722


271.0365, 0.2776,
0.2476


 15.0728, 0.2233,
0.1552


 49.4553, 0.2509,
0.1984

 8.8705, 0.2086,
0.1346


 67.4561, 0.2569,
0.2087

 4.6568, 0.1890,
0.1097


 89.3674, 0.2618,
0.2175

 2.0473, 0.1624,
0.0799

 115.5736, 0.2660,
0.2251

 0.6348, 0.1262,
0.0446

146.4593, 0.2695,
0.2318

 0.0000, 0.0735,
0.0000

182.4088, 0.2726,

 0.0000, 0.0000,

0.2377

0.0000

223.8064, 0.2753,
0.2429

■ 23.6481, 0.2347,
0.1722

■ 23.6481, 0.2347,
0.1722

■ 17.6093, 0.2164,
0.1406

■ 31.2951, 0.2527,
0.2053

■ 13.0575, 0.1989,
0.1125

■ 40.6544, 0.2697,
0.2382

■ 9.8578, 0.1834,
0.0902

■ 51.8240, 0.2851,
0.2694

■ 7.8484, 0.1707,
0.0748

■ 64.8937, 0.2987,
0.2983

■ 6.8933, 0.1630,
0.0671

■ 79.9475, 0.3106,
0.3243

 97.0641, 0.3209,
0.3476

 98.7772, 0.3244,
0.3483

Harmonies

Analogous

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



23.6481, 0.1620, 0.1620



23.6481, 0.2347, 0.1722



23.6481, 0.3483, 0.2099

Triad

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



23.6481, 0.2347, 0.1722



23.6481, 0.5275, 0.4190



23.6481, 0.1648, 0.3739

Complementary

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



23.6481, 0.2347, 0.1722



73.5687, 0.3657, 0.4651

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.



23.6481, 0.2461, 0.5138



23.6481, 0.2347, 0.1722



23.6481, 0.4531, 0.5019

Square

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



23.6481, 0.2347, 0.1722



23.6481, 0.5420, 0.3408



23.6481, 0.3515, 0.5571



23.6481, 0.1273, 0.2494

Rectangle

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



23.6481, 0.2347, 0.1722



23.6481, 0.4338, 0.2480



23.6481, 0.3515, 0.5571



23.6481, 0.1874, 0.4243

Sweetspot

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



23.6489, 0.2347, 0.1722



71.3018, 0.2933, 0.2866



53.9000, 0.2384, 0.2920



14.5673, 0.2904, 0.2806



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.



23.6489, 0.2347, 0.1722



20.9723, 0.2158, 0.1395



30.4252, 0.2874, 0.1927



14.7281, 0.3018, 0.3049



3.8871, 0.1642, 0.0678



0.3492, 0.1779, 0.0754

Inverse Universe

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



33.8722, 0.3491, 0.2311



34.7516, 0.3590, 0.2154



66.6665, 0.3238, 0.4857



15.2467, 0.3175, 0.3114



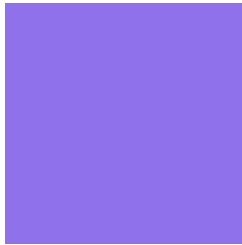
11.6202, 0.3949, 0.1949



0.9275, 0.3824, 0.1880

Previews

White Background



This preview shows how the Yxy color 23.6481, 0.2347, 0.1722 looks on a white background.

Color Contrast Check

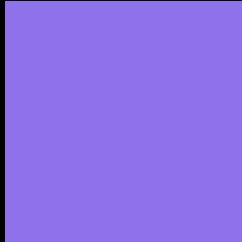
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6481, 0.2347, 0.1722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

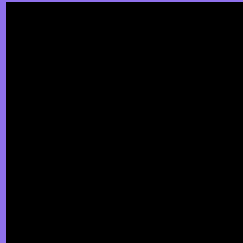
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6481, 0.2347, 0.1722

Background



This preview shows how black text looks on a background with the Yxy color 23.6481, 0.2347, 0.1722.

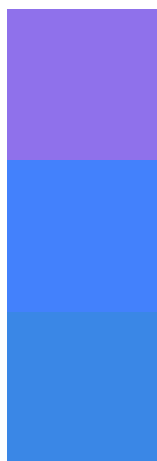


This preview shows how white text looks on a background with the Yxy color 23.6481, 0.2347, 0.1722.

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

23.6481, 0.2347, 0.1722

Protanopia

23.9221, 0.1888, 0.1628

Deuteranopia

23.9407, 0.1947, 0.1888



Tritanopia

23.6142, 0.2889, 0.3098

Trichromacy



Original Color

23.6481, 0.2347, 0.1722

Protanomaly

23.2526, 0.2004, 0.1639

Deuteranomaly

23.1288, 0.2040, 0.1795

Tritanomaly

23.1389, 0.2663, 0.2481

Monochromacy



Original Color

23.6481, 0.2347, 0.1722

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

23.9059, 0.2806, 0.2598

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6481, 0.2347, 0.1722 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(143, 113, 235)` looks like.

```
.text, #text, p{  
    color:rgb(143, 113, 235)  
}
```

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(143, 113, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 113, 235) }
```

Border

The CSS property to change the border of an element to Yxy 23.6481, 0.2347, 0.1722 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(143, 113, 235) }
```

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

```
.border{ border-color:rgb(143, 113, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 113, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 113, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 113, 235);  
box-shadow:4px 4px 4px 4px rgb(143, 113,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6481, 0.2347, 0.1722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 113, 235) }
```

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

```
.background{ background-color: rgb(143,  
113, 235) }
```

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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