

Converting Colors

$Y_{xy}(22.9252, 0.2417, 0.1833)$

Have a look what the booklet for
Yxy(22.9252, 0.2417, 0.1833)
contains.

Yxy(23.0593, 0.2421, 0.1839)	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(23.0593, 0.2421, 0.1839)

Conversions

Conversions Part 1

Format	Color
Hex	8E72DE
RGB	142, 114, 222
RGB Percent	56%, 45%, 87%
CMY	0.4432, 0.5529, 0.1293
CMYK	0.36, 0.49, 0.00, 0.13
HSL	256°, 62%, 66%
HSV	256°, 49%, 87%
XYZ	30.3570, 23.0593, 71.9741
YIQ	134.6840, -17.9800, 39.5240

Conversions

Conversions Part 2

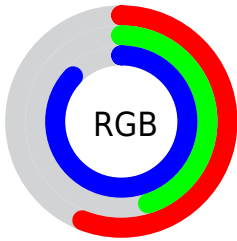
Format	Color
RYB	142, 114, 222
Decimal	9335518
CIELab	55.13, 35.17, -51.58
CIELCh	55, 62.427, 304.288
Yxy	23.0593, 0.2421, 0.1839
Android (android.graphics.Color)	4287525598 (0xFF8E72DE)
YUV	134.6840, 43.0468, 6.4161
Hunter-Lab	48.0201, 28.8078, -55.2517

Details

The Yxy color **23.0593, 0.2421, 0.1839** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **64.9456, 0.3619, 0.4570**, and the grayscale version is **23.9482, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6346, 0.2727, 0.2302**, and **8.5600, 0.2178, 0.1468** is the 20% darker color. If you saturate the color by 10%, you get **17.2953, 0.2241, 0.1518**, and if you desaturate by 10%, it is **30.2552, 0.2595, 0.2169**.

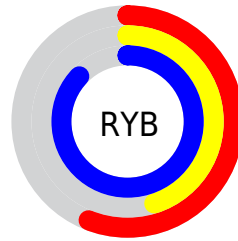
Distribution



Red (56%)

Green (45%)

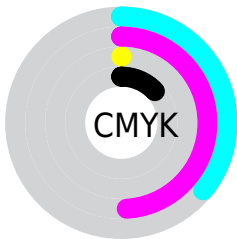
Blue (87%)



Red (56%)

Yellow (45%)

Blue (87%)

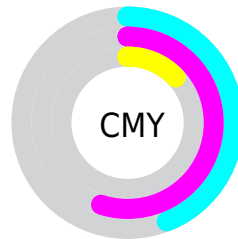


Cyan (36%)

Magenta (49%)

Yellow (0%)

Black (13%)



Cyan (44%)


Magenta (55%)


Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.0593, 0.2421, 0.1839 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 23.0593, 0.2421, 0.1839 by changing the saturation by 10% instead.


 23.0593, 0.2421,
0.1839


 23.0593, 0.2421,
0.1839

268.0294, 0.2814,
0.2553


 14.6373, 0.2314,
0.1672


 48.4907, 0.2571,
0.2092


 8.5652, 0.2174,
0.1467


 66.2688, 0.2626,
0.2189

 4.4587, 0.1983,
0.1213


 87.9345, 0.2671,
0.2272

 1.9333, 0.1718,
0.0899

 113.8721, 0.2709,
0.2344

 0.5683, 0.1345,
0.0499

144.4660, 0.2741,
0.2406

 0.0000, 0.0670,
0.0000

180.1006, 0.2769,

 0.0000, 0.0000,

0.2461

0.0000

221.1603, 0.2793,
0.2510

■ 23.0593, 0.2421,
0.1839

■ 23.0593, 0.2421,
0.1839

■ 17.2953, 0.2241,
0.1518

■ 30.2552, 0.2595,
0.2169

■ 12.8618, 0.2064,
0.1225

■ 38.9697, 0.2757,
0.2490

■ 9.6478, 0.1901,
0.0981

■ 49.2857, 0.2902,
0.2794

■ 7.5224, 0.1763,
0.0802

■ 61.2790, 0.3030,
0.3072

■ 6.2921, 0.1657,
0.0692

■ 75.0208, 0.3141,
0.3322

■ 6.1599, 0.1645,
0.0680

■ 90.5779, 0.3236,
0.3545

■ 98.0552, 0.3321,
0.3611

Harmonies

Analogous

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



23.0593, 0.1737, 0.1747



23.0593, 0.2421, 0.1839



23.0593, 0.3457, 0.2195

Triad

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



23.0593, 0.2421, 0.1839



23.0593, 0.5109, 0.4170



23.0593, 0.1783, 0.3705

Complementary

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



23.0593, 0.2421, 0.1839



64.9456, 0.3619, 0.4570

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.



23.0593, 0.2546, 0.4920



23.0593, 0.2421, 0.1839



23.0593, 0.4455, 0.4907

Square

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



23.0593, 0.2421, 0.1839



23.0593, 0.5207, 0.3436



23.0593, 0.3524, 0.5344



23.0593, 0.1415, 0.2586

Rectangle

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



23.0593, 0.2421, 0.1839



23.0593, 0.4221, 0.2554



23.0593, 0.3524, 0.5344



23.0593, 0.1997, 0.4143

Sweetspot

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



23.0601, 0.2421, 0.1839



72.9920, 0.2950, 0.2895



47.8916, 0.2420, 0.2923



14.9039, 0.2921, 0.2834



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.



23.0601, 0.2421, 0.1839



23.8128, 0.2244, 0.1524



28.9156, 0.2914, 0.2020



13.4140, 0.3021, 0.3050



3.7035, 0.1657, 0.0687



0.2993, 0.1816, 0.0774

Inverse Universe

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



31.4663, 0.3475, 0.2382



36.7902, 0.3571, 0.2227



59.1336, 0.3225, 0.4750



13.8718, 0.3177, 0.3118



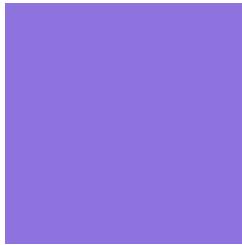
10.8462, 0.3992, 0.1973



0.7662, 0.3845, 0.1892

Previews

White Background



This preview shows how the Yxy color 23.0593, 0.2421, 0.1839 looks on a white background.

Color Contrast Check

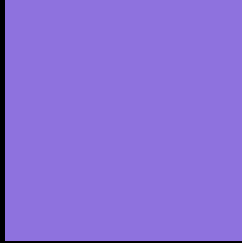
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0593, 0.2421, 0.1839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

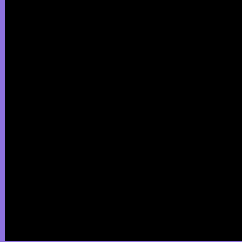
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0593, 0.2421, 0.1839

Background



This preview shows how black text looks on a background with the Yxy color 23.0593, 0.2421, 0.1839.

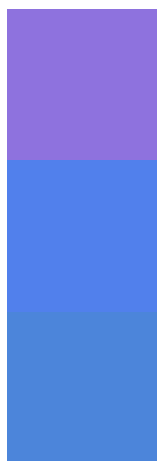


This preview shows how white text looks on a background with the Yxy color 23.0593, 0.2421, 0.1839.

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

23.0593, 0.2421, 0.1839

Protanopia

23.2438, 0.1990, 0.1761

Deuteranopia

23.3735, 0.2054, 0.1998



Tritanopia

23.1182, 0.2938, 0.3115

Trichromacy



Original Color

23.0593, 0.2421, 0.1839

Protanomaly

22.8190, 0.2109, 0.1776

Deuteranomaly

22.7455, 0.2156, 0.1923

Tritanomaly

22.7256, 0.2723, 0.2550

Monochromacy



Original Color

23.0593, 0.2421, 0.1839

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.3720, 0.2841, 0.2651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0593, 0.2421, 0.1839 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(142, 114, 222)` looks like.

```
.text, #text, p{  
    color:rgb(142, 114, 222)  
}
```

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(142, 114, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 114, 222) }
```

Border

The CSS property to change the border of an element to Yxy 23.0593, 0.2421, 0.1839 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(142, 114, 222) }
```

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

```
.border{ border-color:rgb(142, 114, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 114, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 114, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 114, 222);  
box-shadow:4px 4px 4px 4px rgb(142, 114,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0593, 0.2421, 0.1839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 114, 222) }
```

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

```
.background{ background-color: rgb(142,  
114, 222) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor