

Converting Colors

$Y_{xy}(23.6243, 0.2400, 0.1707)$

Have a look what the booklet for
Yxy(23.6243, 0.2400, 0.1707)
contains.

Yxy(23.6340, 0.2399, 0.1710)	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(23.6340, 0.2399, 0.1710)

Conversions

Conversions Part 1

Format	Color
Hex	966EEB
RGB	150, 110, 235
RGB Percent	59%, 43%, 92%
CMY	0.4116, 0.5687, 0.0784
CMYK	0.36, 0.53, 0.00, 0.08
HSL	259°, 76%, 68%
HSV	259°, 53%, 92%
XYZ	33.1567, 23.6340, 81.4198
YIQ	136.2100, -16.2850, 47.3550

Conversions

Conversions Part 2

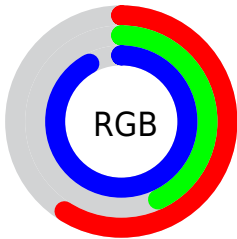
Format	Color
R_{YB}	150, 110, 235
Decimal	9858795
CIE _{Lab}	55.72, 42.84, -57.88
CIE _{LCh}	56, 72.009, 306.509
Yxy	23.6340, 0.2399, 0.1710
Android (android.graphics.Color)	4288048875 (0xFF966EEB)
YUV	136.2100, 48.7035, 12.0938
Hunter-Lab	48.6148, 36.6662, -65.2682

Details

The Yxy color **23.6340, 0.2399, 0.1710** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **72.1425, 0.3597, 0.4717**, and the grayscale version is **24.5232, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8243, 0.2793, 0.2288**, and **8.8790, 0.2148, 0.1342** is the 20% darker color. If you saturate the color by 10%, you get **17.8059, 0.2229, 0.1407**, and if you desaturate by 10%, it is **31.0146, 0.2565, 0.2031**.

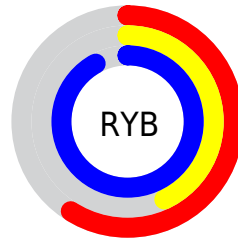
Distribution



Red (59%)

Green (43%)

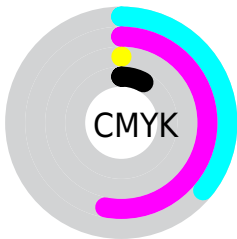
Blue (92%)



Red (59%)

Yellow (43%)

Blue (92%)

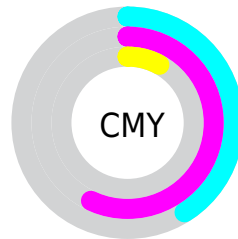


Cyan (36%)

Magenta (53%)

Yellow (0%)

Black (8%)



Cyan (41%)


Magenta (57%)

Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6340, 0.2399, 0.1710 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 23.6340, 0.2399, 0.1710 by changing the saturation by 10% instead.


 23.6340, 0.2399,
0.1710

 23.6340, 0.2399,
0.1710


270.9648, 0.2804,
0.2467


 15.0623, 0.2290,
0.1540


 49.4323, 0.2553,
0.1973


 8.8632, 0.2149,
0.1335


 67.4277, 0.2609,
0.2075

 4.6520, 0.1961,
0.1087


 89.3331, 0.2655,
0.2163

 2.0446, 0.1702,
0.0791

 115.5330, 0.2695,
0.2240

 0.6332, 0.1346,
0.0441

146.4118, 0.2728,
0.2307

 0.0000, 0.0842,
0.0000

182.3537, 0.2757,

 0.0000, 0.0000,

0.2367

0.0000

223.7433, 0.2782,
0.2420

■ 23.6340, 0.2399,
0.1710

■ 23.6340, 0.2399,
0.1710

■ 17.8059, 0.2229,
0.1407

■ 31.0146, 0.2565,
0.2031

■ 13.4106, 0.2063,
0.1140

■ 40.0499, 0.2721,
0.2352

■ 10.3144, 0.1913,
0.0929

■ 50.8362, 0.2863,
0.2661

■ 8.3554, 0.1786,
0.0784

■ 63.4616, 0.2987,
0.2949

■ 7.5076, 0.1715,
0.0718

■ 78.0080, 0.3096,
0.3211

94.5524, 0.3189,
0.3448

98.7788, 0.3244,
0.3483

Harmonies

Analogous

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



23.6340, 0.1629, 0.1585



23.6340, 0.2399, 0.1710



23.6340, 0.3588, 0.2112

Triad

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



23.6340, 0.2399, 0.1710



23.6340, 0.5277, 0.4254



23.6340, 0.1569, 0.3636

Complementary

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



23.6340, 0.2399, 0.1710



72.1425, 0.3597, 0.4717

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.



23.6340, 0.2364, 0.5115



23.6340, 0.2399, 0.1710



23.6340, 0.4478, 0.5106

Square

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



23.6340, 0.2399, 0.1710



23.6340, 0.5495, 0.3455



23.6340, 0.3430, 0.5645



23.6340, 0.1224, 0.2399

Rectangle

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



23.6340, 0.2399, 0.1710



23.6340, 0.4462, 0.2507



23.6340, 0.3430, 0.5645



23.6340, 0.1785, 0.4155

Sweetspot

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



23.6348, 0.2399, 0.1710



71.7903, 0.2953, 0.2868



48.5301, 0.2340, 0.2767



14.6827, 0.2928, 0.2809



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.



23.6348, 0.2399, 0.1710



20.7785, 0.2210, 0.1376



31.1562, 0.2966, 0.1935



14.7832, 0.3030, 0.3050



4.2386, 0.1729, 0.0726



0.3828, 0.1879, 0.0809

Inverse Universe

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



32.7486, 0.3607, 0.2378



33.1769, 0.3751, 0.2230



65.5271, 0.3174, 0.4931



15.2269, 0.3187, 0.3131



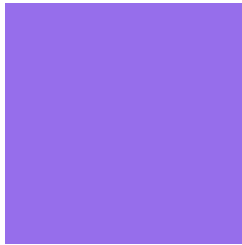
11.2605, 0.4222, 0.2100



0.9016, 0.4047, 0.2003

Previews

White Background



This preview shows how the Yxy color 23.6340, 0.2399, 0.1710 looks on a white background.

Color Contrast Check

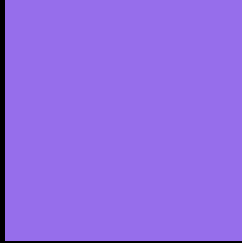
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6340, 0.2399, 0.1710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

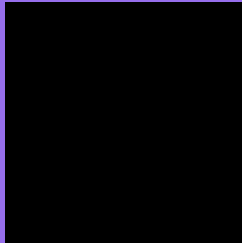
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6340, 0.2399, 0.1710

Background



This preview shows how black text looks on a background with the Yxy color 23.6340, 0.2399, 0.1710.

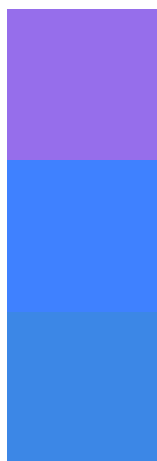


This preview shows how white text looks on a background with the Yxy color 23.6340, 0.2399, 0.1710.

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

23.6340, 0.2399, 0.1710

Protanopia

23.9773, 0.1867, 0.1602

Deuteranopia

24.0018, 0.1954, 0.1890



Tritanopia

23.5345, 0.2981, 0.3101

Trichromacy



Original Color

23.6340, 0.2399, 0.1710



Protanomaly

23.1293, 0.1994, 0.1612



Deuteranomaly

23.0751, 0.2057, 0.1789



Tritanomaly

23.1599, 0.2738, 0.2478

Monochromacy



Original Color

23.6340, 0.2399, 0.1710



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

23.8200, 0.2825, 0.2586

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6340, 0.2399, 0.1710 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(150, 110, 235)` looks like.

```
.text, #text, p{  
  color:rgb(150, 110, 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(150, 110, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 110, 235) }
```

Border

The CSS property to change the border of an element to Yxy 23.6340, 0.2399, 0.1710 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(150, 110, 235) }
```

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

```
.border{ border-color:rgb(150, 110, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 110, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 110, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 110, 235);  
box-shadow:4px 4px 4px 4px rgb(150, 110,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6340, 0.2399, 0.1710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 110, 235) }
```

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

```
.background{ background-color: rgb(150,  
110, 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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