

Converting Colors

$Y_{xy}(23.5758, 0.2504, 0.1715)$

Have a look what the booklet for
Yxy(23.5758, 0.2504, 0.1715)
contains.

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Color

Yxy(23.5634, 0.2500, 0.1709)

Conversions

Conversions Part 1

Format	Color
Hex	A169E9
RGB	161, 105, 233
RGB Percent	63%, 41%, 91%
CMY	0.3684, 0.5884, 0.0862
CMYK	0.31, 0.55, 0.00, 0.09
HSL	266°, 74%, 66%
HSV	266°, 55%, 91%
XYZ	34.4696, 23.5634, 79.8453
YIQ	136.3360, -7.7120, 51.6800

Conversions

Conversions Part 2

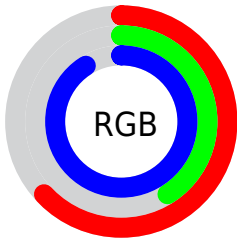
Format	Color
R_{YB}	161, 105, 233
Decimal	10578409
CIE _{Lab}	55.65, 47.74, -56.82
CIE _{LCh}	56, 74.213, 310.032
Yxy	23.5634, 0.2500, 0.1709
Android (android.graphics.Color)	4288768489 (0xFFA169E9)
YUV	136.3360, 47.6554, 21.6303
Hunter-Lab	48.5421, 41.8033, -63.5446

Details

The Yxy color **23.5634, 0.2500, 0.1709** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **68.6543, 0.3497, 0.4820**, and the grayscale version is **24.5732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.7338, 0.2878, 0.2261**, and **8.8702, 0.2281, 0.1346** is the 20% darker color. If you saturate the color by 10%, you get **18.1612, 0.2353, 0.1429**, and if you desaturate by 10%, it is **30.4099, 0.2642, 0.2011**.

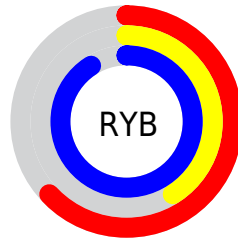
Distribution



Red (63%)

Green (41%)

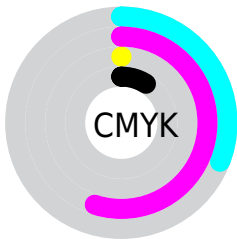
Blue (91%)



Red (63%)

Yellow (41%)

Blue (91%)

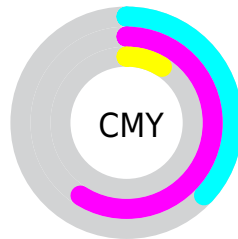


Cyan (31%)

Magenta (55%)

Yellow (0%)

Black (9%)



Cyan (37%)


Magenta (59%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5634, 0.2500, 0.1709 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 23.5634, 0.2500, 0.1709 by changing the saturation by 10% instead.


 23.5634, 0.2500,
0.1709


 23.5634, 0.2500,
0.1709


270.6057, 0.2856,
0.2463


 15.0101, 0.2402,
0.1540


 49.3168, 0.2637,
0.1970

 8.8265, 0.2273,
0.1335

 67.2856, 0.2687,
0.2073

 4.6282, 0.2099,
0.1088


 89.1618, 0.2728,
0.2161

 2.0308, 0.1856,
0.0794

 115.3296, 0.2762,
0.2237

 0.6253, 0.1511,
0.0443

146.1735, 0.2791,
0.2304

 0.0000, 0.1025,
0.0000

182.0779, 0.2816,

 0.0000, 0.0000,

0.2364

0.0000

223.4272, 0.2837,
0.2416

■ 23.5634, 0.2500,
0.1709

■ 23.5634, 0.2500,
0.1709

■ 18.1612, 0.2353,
0.1429

■ 30.4099, 0.2642,
0.2011

■ 14.0874, 0.2207,
0.1186

■ 38.7990, 0.2774,
0.2318

■ 11.2113, 0.2071,
0.0996

■ 48.8232, 0.2892,
0.2619

■ 9.3727, 0.1949,
0.0866

■ 60.5668, 0.2997,
0.2904

■ 8.7140, 0.1894,
0.0817

■ 74.1080, 0.3087,
0.3168

■ 89.5204, 0.3164,
0.3408

■ 98.2373, 0.3241,
0.3503

■ 98.6650, 0.3256,
0.3502

Harmonies

Analogous

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



23.5634, 0.1663, 0.1547



23.5634, 0.2500, 0.1709



23.5634, 0.3760, 0.2147

Triad

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



23.5634, 0.2500, 0.1709



23.5634, 0.5249, 0.4359



23.5634, 0.1463, 0.3460

Complementary

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



23.5634, 0.2500, 0.1709



68.6543, 0.3497, 0.4820

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.



23.5634, 0.2218, 0.5031



23.5634, 0.2500, 0.1709



23.5634, 0.4377, 0.5235

Square

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



23.5634, 0.2500, 0.1709



23.5634, 0.5576, 0.3535



23.5634, 0.3290, 0.5728



23.5634, 0.1169, 0.2263

Rectangle

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



23.5634, 0.2500, 0.1709



23.5634, 0.4649, 0.2563



23.5634, 0.3290, 0.5728



23.5634, 0.1662, 0.3989

Sweetspot

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



23.5643, 0.2500, 0.1709



72.5822, 0.2986, 0.2873



40.5425, 0.2274, 0.2535



14.8704, 0.2965, 0.2815



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.



23.5643, 0.2500, 0.1709



21.5047, 0.2333, 0.1393



31.9072, 0.3104, 0.1956



14.8717, 0.3048, 0.3051



5.0136, 0.1910, 0.0826



0.4497, 0.2064, 0.0911

Inverse Universe

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



30.5966, 0.3813, 0.2504



31.3757, 0.4030, 0.2386



62.8589, 0.3089, 0.5033



15.1958, 0.3205, 0.3158



10.7841, 0.4695, 0.2360



0.8661, 0.4433, 0.2215

Previews

White Background



This preview shows how the Yxy color 23.5634, 0.2500, 0.1709 looks on a white background.

Color Contrast Check

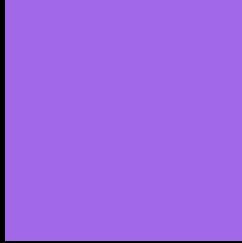
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5634, 0.2500, 0.1709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

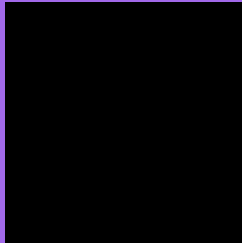
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5634, 0.2500, 0.1709

Background



This preview shows how black text looks on a background with the Yxy color 23.5634, 0.2500, 0.1709.



This preview shows how white text looks on a background with the Yxy color 23.5634, 0.2500, 0.1709.

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

23.5634, 0.2500, 0.1709

Protanopia

23.9446, 0.1864, 0.1601

Deuteranopia

23.9978, 0.1981, 0.1924



Tritanopia

23.4042, 0.3181, 0.3123

Trichromacy



Original Color

23.5634, 0.2500, 0.1709



Protanomaly

22.7450, 0.2008, 0.1600



Deuteranomaly

22.7818, 0.2103, 0.1801



Tritanomaly

22.9341, 0.2907, 0.2484

Monochromacy



Original Color

23.5634, 0.2500, 0.1709



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

23.6272, 0.2875, 0.2577

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5634, 0.2500, 0.1709 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(161, 105, 233)` looks like.

```
.text, #text, p{  
    color:rgb(161, 105, 233)  
}
```

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(161, 105, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 105, 233) }
```

Border

The CSS property to change the border of an element to Yxy 23.5634, 0.2500, 0.1709 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(161, 105, 233) }
```

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

```
.border{ border-color:rgb(161, 105, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 105, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 105, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 105, 233);  
box-shadow:4px 4px 4px 4px rgb(161, 105,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5634, 0.2500, 0.1709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 105, 233) }
```

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

```
.background{ background-color: rgb(161,  
105, 233) }
```

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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