

Converting Colors

$Y_{xy}(40.3551, 0.2401, 0.2184)$

Have a look what the booklet for
Yxy(40.3551, 0.2401, 0.2184)
contains.

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Color

Yxy(40.1867, 0.2400, 0.2178)

Conversions

Conversions Part 1

Format	Color
Hex	99A3FF
RGB	153, 163, 255
RGB Percent	60%, 64%, 100%
CMY	0.4001, 0.3608, 0.0000
CMYK	0.40, 0.36, 0.00, 0.00
HSL	234°, 100%, 80%
HSV	234°, 40%, 100%
XYZ	44.2829, 40.1867, 100.0424
YIQ	170.4980, -35.4920, 26.4920

Conversions

Conversions Part 2

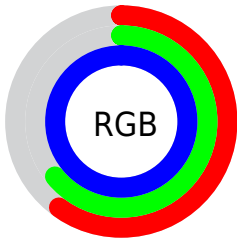
Format	Color
R _Y B	153, 162, 255
Decimal	10068991
CIE Lab	69.60, 18.64, -46.84
CIE LCh	70, 50.416, 291.700
Yxy	40.1867, 0.2400, 0.2178
Android (android.graphics.Color)	4288259071 (0xFF99A3FF)
YUV	170.4980, 41.6595, -15.3457
Hunter-Lab	63.3930, 13.7526, -49.1922

Details

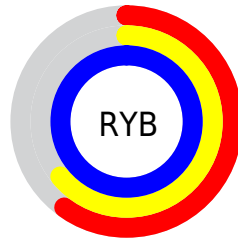
The Yxy color **40.1867, 0.2400, 0.2178** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **88.8502, 0.3764, 0.4200**, and the grayscale version is **40.2599, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.0644, 0.2840, 0.2896**, and **18.2069, 0.2203, 0.1917** is the 20% darker color. If you saturate the color by 10%, you get **30.5287, 0.2192, 0.1846**, and if you desaturate by 10%, it is **51.8604, 0.2604, 0.2497**.

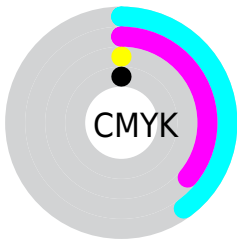
Distribution



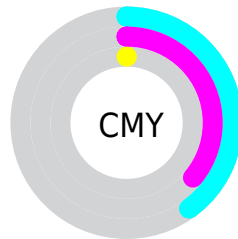
- Red (60%)
- Green (64%)
- Blue (100%)



- Red (60%)
- Yellow (64%)
- Blue (100%)



- Cyan (40%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)





- Cyan (40%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.1867, 0.2400, 0.2178 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 40.1867, 0.2400, 0.2178 by changing the saturation by 10% instead.


 40.1867, 0.2400,
0.2178


 40.1867, 0.2400,
0.2178


346.9099, 0.2764,
0.2704

 27.6841, 0.2312,
0.2058


 75.4477, 0.2531,
0.2361

 18.0877, 0.2201,
0.1912


 98.9750, 0.2581,
0.2432

 11.0130, 0.2058,
0.1730


126.9459, 0.2623,
0.2493

 6.0756, 0.1870,
0.1499

159.7450, 0.2659,
0.2546

 2.8911, 0.1614,
0.1204

197.7565, 0.2691,
0.2593

 1.0751, 0.1259,
0.0830

241.3649, 0.2718,


 0.0000, 0.0704,


0.2634

0.0000

290.9545, 0.2743,
0.2671

 0.0000, 0.0000,
0.0000

 40.1867, 0.2400,
0.2178

 40.1867, 0.2400,
0.2178


 30.5287, 0.2192,
0.1846


 51.8604, 0.2604,
0.2497

 22.7703, 0.1992,
0.1517


 65.6537, 0.2795,
0.2791

 16.7857, 0.1812,
0.1213

 81.6652, 0.2970,
0.3056

 12.4333, 0.1667,
0.0957

99.9871, 0.3127,
0.3290

 9.5495, 0.1568,
0.0767

100.0000, 0.3127,
0.3290

■ 7.9176, 0.1515,
0.0652

Harmonies

Analogous

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



40.1867, 0.1988, 0.2220



40.1867, 0.2400, 0.2178



40.1867, 0.3052, 0.2366

Triad

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



40.1867, 0.2400, 0.2178



40.1867, 0.4595, 0.3788



40.1867, 0.2410, 0.3921

Complementary

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



40.1867, 0.2400, 0.2178



88.8502, 0.3764, 0.4200

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.



40.1867, 0.3061, 0.4526



40.1867, 0.2400, 0.2178



40.1867, 0.4337, 0.4303

Square

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



40.1867, 0.2400, 0.2178



40.1867, 0.4407, 0.3240



40.1867, 0.3767, 0.4630



40.1867, 0.1984, 0.3137

Rectangle

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



40.1867, 0.2400, 0.2178



40.1867, 0.3561, 0.2598



40.1867, 0.3767, 0.4630



40.1867, 0.2609, 0.4165

Sweetspot

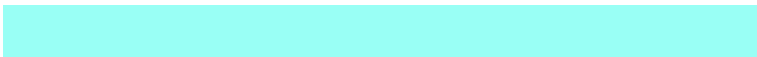
The Sweet Spot groups the original color and five complimentary colors.



40.1872, 0.2400, 0.2178



78.2920, 0.2937, 0.3006



84.8709, 0.2620, 0.3403



16.2952, 0.2914, 0.2972



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.



40.1872, 0.2400, 0.2178



32.3106, 0.2234, 0.1913



41.4385, 0.2676, 0.2148



17.6647, 0.2979, 0.3069



4.2313, 0.1518, 0.0665



0.5033, 0.1554, 0.0793

Inverse Universe

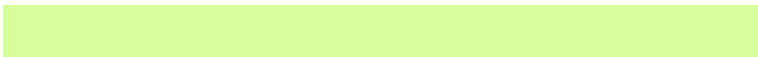
The Inverse Universe completely reimagines the original color for something new.



46.6815, 0.4045, 0.3187



39.9585, 0.4335, 0.3169



88.1446, 0.3449, 0.4387



18.0161, 0.3279, 0.3267



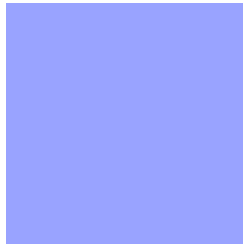
11.1551, 0.6291, 0.3239



1.0954, 0.6081, 0.3124

Previews

White Background



This preview shows how the Yxy color 40.1867, 0.2400, 0.2178 looks on a white background.

Color Contrast Check

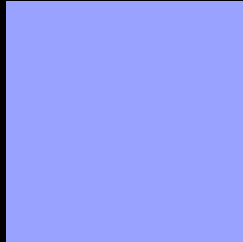
Large Text (above 18pt) WCAG AA × Fail

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 40.1867, 0.2400, 0.2178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

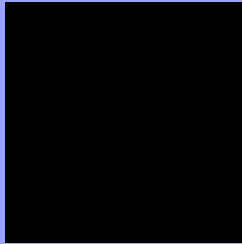
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.1867, 0.2400, 0.2178

Background



This preview shows how black text looks on a background with the Yxy color 40.1867, 0.2400, 0.2178.



This preview shows how white text looks on a background with the Yxy color 40.1867, 0.2400, 0.2178.

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

40.1867, 0.2400, 0.2178

Protanopia

40.3464, 0.2323, 0.2205

Deuteranopia

40.4372, 0.2293, 0.2229



Tritanopia

40.0867, 0.2706, 0.3088

Trichromacy



Original Color

40.1867, 0.2400, 0.2178

Protanomaly

40.4217, 0.2350, 0.2200

Deuteranomaly

40.3686, 0.2334, 0.2216

Tritanomaly

39.8205, 0.2584, 0.2706

Monochromacy



Original Color

40.1867, 0.2400, 0.2178

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

39.7470, 0.2828, 0.2834

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1867, 0.2400, 0.2178 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(153, 163, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 163, 255)  
}
```

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(153, 163, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 163, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.1867, 0.2400, 0.2178 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(153, 163, 255) }
```

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

```
.border{ border-color:rgb(153, 163, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 163, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 163, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 163, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 163,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1867, 0.2400, 0.2178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 163, 255) }
```

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

```
.background{ background-color: rgb(153,  
163, 255) }
```

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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