

Converting Colors

$Y_{xy}(40.4810, 0.2417, 0.2184)$

Have a look what the booklet for
Yxy(40.4810, 0.2417, 0.2184)
contains.

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Color

Yxy(40.4823, 0.2420, 0.2184)

Conversions

Conversions Part 1

Format	Color
Hex	9CA3FF
RGB	156, 163, 255
RGB Percent	61%, 64%, 100%
CMY	0.3881, 0.3608, 0.0002
CMYK	0.39, 0.36, 0.00, 0.00
HSL	236°, 100%, 81%
HSV	236°, 39%, 100%
XYZ	44.8568, 40.4823, 100.0195
YIQ	171.3950, -33.7040, 27.1280

Conversions

Conversions Part 2

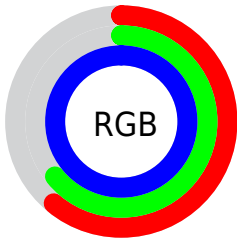
Format	Color
R _Y B	156, 163, 255
Decimal	10265599
CIE _{Lab}	69.81, 19.41, -46.47
CIE _{LCh}	70, 50.357, 292.667
Y _{xy}	40.4823, 0.2420, 0.2184
Android (android.graphics.Color)	4288455679 (0xFF9CA3FF)
YUV	171.3950, 41.2173, -13.5014
Hunter-Lab	63.6257, 14.4993, -48.6657

Details

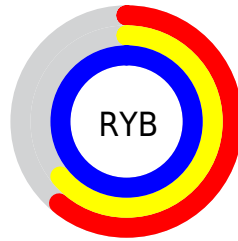
The Yxy color **40.4823, 0.2420, 0.2184** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **90.7847, 0.3735, 0.4197**, and the grayscale version is **40.7386, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.5089, 0.2860, 0.2898**, and **18.3749, 0.2225, 0.1925** is the 20% darker color. If you saturate the color by 10%, you get **30.5583, 0.2209, 0.1844**, and if you desaturate by 10%, it is **52.5202, 0.2625, 0.2510**.

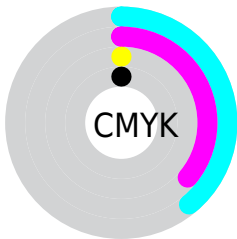
Distribution



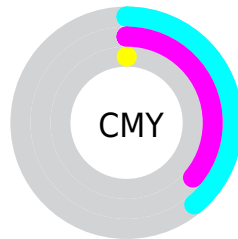
- Red (61%)
- Green (64%)
- Blue (100%)



- Red (61%)
- Yellow (64%)
- Blue (100%)



- Cyan (39%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)





- Cyan (39%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4823, 0.2420, 0.2184 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 40.4823, 0.2420, 0.2184 by changing the saturation by 10% instead.


 40.4823, 0.2420,
0.2184


 40.4823, 0.2420,
0.2184

348.1522, 0.2775,
0.2706

 27.9148, 0.2334,
0.2065


 75.8974, 0.2548,
0.2365

 18.2614, 0.2226,
0.1920


 99.5137, 0.2596,
0.2436

 11.1378, 0.2086,
0.1739


127.5818, 0.2637,
0.2497

 6.1596, 0.1901,
0.1510

160.4861, 0.2672,
0.2549

 2.9424, 0.1650,
0.1217

198.6108, 0.2703,
0.2596

 1.1017, 0.1300,
0.0845

242.3405, 0.2730,

 0.0000, 0.0768,

0.2637

0.0000

292.0595, 0.2753,
0.2673

■ 0.0000, 0.0000,
0.0000

■ 40.4823, 0.2420,
0.2184

■ 40.4823, 0.2420,
0.2184

■ 30.5583, 0.2209,
0.1844

■ 52.5202, 0.2625,
0.2510

■ 22.6218, 0.2004,
0.1508

■ 66.7797, 0.2816,
0.2810

■ 16.5397, 0.1820,
0.1198

■ 83.3666, 0.2990,
0.3080

■ 12.1610, 0.1670,
0.0938

99.9972, 0.3127,
0.3290

■ 9.3105, 0.1568,
0.0750

■ 7.7657, 0.1513,
0.0641

■ 7.6479, 0.1509,
0.0632

Harmonies

Analogous

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



40.4823, 0.2001, 0.2219



40.4823, 0.2420, 0.2184



40.4823, 0.3076, 0.2378

Triad

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



40.4823, 0.2420, 0.2184



40.4823, 0.4588, 0.3805



40.4823, 0.2395, 0.3894

Complementary

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



40.4823, 0.2420, 0.2184



90.7847, 0.3735, 0.4197

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.



40.4823, 0.3039, 0.4508



40.4823, 0.2420, 0.2184



40.4823, 0.4319, 0.4315

Square

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



40.4823, 0.2420, 0.2184



40.4823, 0.4416, 0.3258



40.4823, 0.3743, 0.4630



40.4823, 0.1979, 0.3114

Rectangle

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



40.4823, 0.2420, 0.2184



40.4823, 0.3584, 0.2614



40.4823, 0.3743, 0.4630



40.4823, 0.2591, 0.4139

Sweetspot

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



40.4838, 0.2420, 0.2184



77.8255, 0.2937, 0.2997



85.2614, 0.2625, 0.3381



16.1864, 0.2914, 0.2962



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.



40.4838, 0.2420, 0.2184



32.2043, 0.2247, 0.1906



42.9121, 0.2706, 0.2189



17.5829, 0.2978, 0.3062



4.0723, 0.1512, 0.0643



0.4647, 0.1539, 0.0740

Inverse Universe

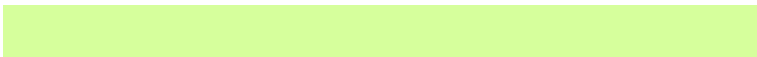
The Inverse Universe completely reimagines the original color for something new.



47.6862, 0.4032, 0.3219



40.6308, 0.4334, 0.3206



88.1507, 0.3429, 0.4356



18.0078, 0.3283, 0.3274



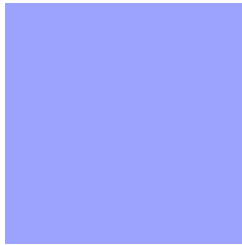
11.1391, 0.6328, 0.3260



1.0915, 0.6167, 0.3171

Previews

White Background



This preview shows how the Yxy color 40.4823, 0.2420, 0.2184 looks on a white background.

Color Contrast Check

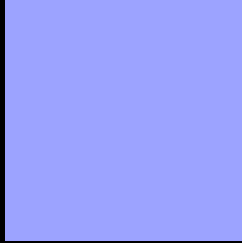
Large Text (above 18pt) WCAG AA × Fail

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 40.4823, 0.2420, 0.2184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

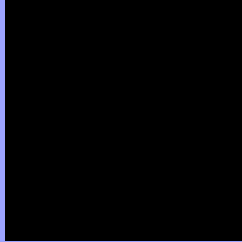
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.4823, 0.2420, 0.2184

Background



This preview shows how black text looks on a background with the Yxy color 40.4823, 0.2420, 0.2184.



This preview shows how white text looks on a background with the Yxy color 40.4823, 0.2420, 0.2184.

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

40.4823, 0.2420, 0.2184

Protanopia

40.4329, 0.2329, 0.2206

Deuteranopia

40.5182, 0.2298, 0.2231



Tritanopia

40.3438, 0.2728, 0.3089

Trichromacy



Original Color

40.4823, 0.2420, 0.2184

Protanomaly

40.6034, 0.2363, 0.2203

Deuteranomaly

40.4559, 0.2340, 0.2217

Tritanomaly

40.0919, 0.2606, 0.2709

Monochromacy



Original Color

40.4823, 0.2420, 0.2184

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.3765, 0.2838, 0.2837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4823, 0.2420, 0.2184 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(156, 163, 255)` looks like.

```
.text, #text, p{  
    color:rgb(156, 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(156, 163, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 163, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.4823, 0.2420, 0.2184 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(156, 163, 255) }
```

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

```
.border{ border-color:rgb(156, 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(156, 163, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 163, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 163, 255);  
box-shadow:4px 4px 4px 4px rgb(156, 163,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4823, 0.2420, 0.2184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 163, 255) }
```

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

```
.background{ background-color: rgb(156,  
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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