

Converting Colors

$Y_{xy}(46.4839, 0.2437, 0.2388)$

Have a look what the booklet for
Yxy(46.4839, 0.2437, 0.2388)
contains.

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Color

Yxy(46.6348, 0.2433, 0.2388)

Conversions

Conversions Part 1

Format	Color
Hex	99B4FF
RGB	153, 180, 255
RGB Percent	60%, 71%, 100%
CMY	0.4000, 0.2941, 0.0000
CMYK	0.40, 0.29, 0.00, 0.00
HSL	224°, 100%, 80%
HSV	224°, 40%, 100%
XYZ	47.5136, 46.6348, 101.1397
YIQ	180.4770, -40.1670, 17.6010

Conversions

Conversions Part 2

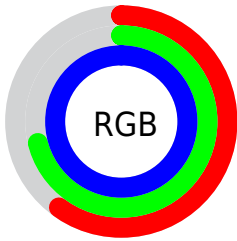
Format	Color
RYB	153, 174, 255
Decimal	10073343
CIELab	73.96, 9.08, -40.05
CIElCh	74, 41.063, 282.780
Yxy	46.6348, 0.2433, 0.2388
Android (android.graphics.Color)	4288263423 (0xFF99B4FF)
YUV	180.4770, 36.7398, -24.0973
Hunter-Lab	68.2897, 4.6872, -40.0081

Details

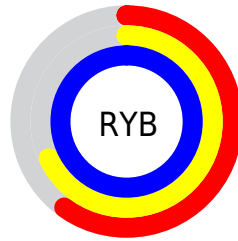
The Yxy color **46.6348, 0.2433, 0.2388** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **79.0522, 0.3828, 0.4049**, and the grayscale version is **45.7255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9125, 0.2850, 0.3090**, and **22.0569, 0.2253, 0.2176** is the 20% darker color. If you saturate the color by 10%, you get **37.3461, 0.2244, 0.2113**, and if you desaturate by 10%, it is **57.4760, 0.2621, 0.2648**.

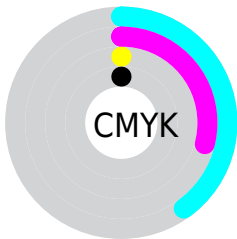
Distribution



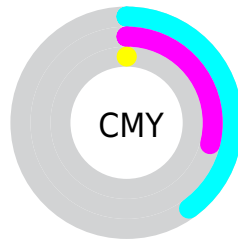
- Red (60%)
- Green (71%)
- Blue (100%)



- Red (60%)
- Yellow (68%)
- Blue (100%)



- Cyan (40%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6348, 0.2433, 0.2388 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 46.6348, 0.2433, 0.2388 by changing the saturation by 10% instead.

■ 46.6348, 0.2433,
0.2388

■ 46.6348, 0.2433,
0.2388

373.3549, 0.2771,
0.2816

■ 32.7470, 0.2353,
0.2290

■ 85.1682, 0.2553,
0.2537

■ 21.9327, 0.2253,
0.2168

■ 110.5827, 0.2599,
0.2595

■ 13.8075, 0.2125,
0.2015

140.6082, 0.2638,
0.2645

■ 7.9869, 0.1957,
0.1818

175.6291, 0.2672,
0.2688

■ 4.0866, 0.1729,
0.1559

216.0299, 0.2702,
0.2726

■ 1.7221, 0.1411,
0.1211

262.1948, 0.2728,

■ 0.4379, 0.0953,

0.2759

0.0654

314.5084, 0.2751,
0.2789

0.0000, 0.0000,
0.0000

46.6348, 0.2433,
0.2388

46.6348, 0.2433,
0.2388

37.3461, 0.2244,
0.2113

57.4760, 0.2621,
0.2648

29.5379, 0.2062,
0.1830

69.9421, 0.2801,
0.2886

23.1275, 0.1896,
0.1553

84.0976, 0.2971,
0.3100

18.0247, 0.1756,
0.1294

100.0000, 0.3127,
0.3290

14.1265, 0.1651,
0.1069

■ 11.2922, 0.1580,
0.0888

■ 11.2916, 0.1580,
0.0888

Harmonies

Analogous

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



46.6348, 0.2157, 0.2497



46.6348, 0.2433, 0.2388



46.6348, 0.2908, 0.2484

Triad

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



46.6348, 0.2433, 0.2388



46.6348, 0.4264, 0.3584



46.6348, 0.2715, 0.3933

Complementary

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



46.6348, 0.2433, 0.2388



79.0522, 0.3828, 0.4049

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.



46.6348, 0.3262, 0.4293



46.6348, 0.2433, 0.2388



46.6348, 0.4176, 0.4005

Square

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



46.6348, 0.2433, 0.2388



46.6348, 0.4008, 0.3140



46.6348, 0.3800, 0.4292



46.6348, 0.2302, 0.3359

Rectangle

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



46.6348, 0.2433, 0.2388



46.6348, 0.3294, 0.2646



46.6348, 0.3800, 0.4292



46.6348, 0.2889, 0.4089

Sweetspot

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



46.6338, 0.2433, 0.2388



81.1250, 0.2938, 0.3059



83.8833, 0.2700, 0.3602



16.9571, 0.2916, 0.3032



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.



46.6338, 0.2433, 0.2388



39.0808, 0.2282, 0.2169



39.3285, 0.2548, 0.2108



18.1594, 0.2979, 0.3110



6.1063, 0.1588, 0.0915



0.7642, 0.1646, 0.1127

Inverse Universe

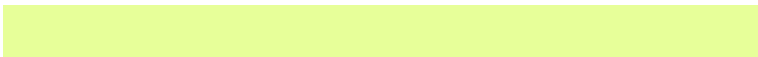
The Inverse Universe completely reimagines the original color for something new.



47.3395, 0.3869, 0.3009



40.6420, 0.4100, 0.2956



90.8425, 0.3564, 0.4344



18.0660, 0.3252, 0.3227



11.3444, 0.5889, 0.3018



1.1217, 0.5571, 0.2843

Previews

White Background



This preview shows how the Yxy color 46.6348, 0.2433, 0.2388 looks on a white background.

Color Contrast Check

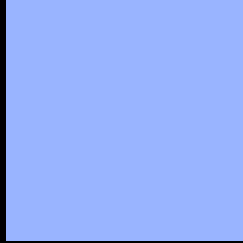
Large Text (above 18pt) WCAG AA × Fail

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 46.6348, 0.2433, 0.2388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

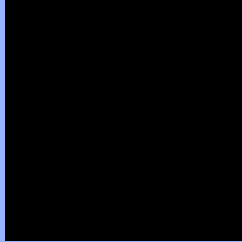
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.6348, 0.2433, 0.2388

Background



This preview shows how black text looks on a background with the Yxy color 46.6348, 0.2433, 0.2388.



This preview shows how white text looks on a background with the Yxy color 46.6348, 0.2433, 0.2388.

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

46.6348, 0.2433, 0.2388

Protanopia

46.6651, 0.2467, 0.2393

Deuteranopia

46.4288, 0.2443, 0.2379



Tritanopia

46.8101, 0.2653, 0.3085

Trichromacy



Original Color

46.6348, 0.2433, 0.2388

Protanomaly

46.4639, 0.2455, 0.2390

Deuteranomaly

46.3302, 0.2437, 0.2377

Tritanomaly

46.4653, 0.2570, 0.2807

Monochromacy



Original Color

46.6348, 0.2433, 0.2388

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.6936, 0.2842, 0.2941

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6348, 0.2433, 0.2388 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, 180, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 180, 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, 180, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 180, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.6348, 0.2433, 0.2388 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, 180, 255) }
```

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

```
.border{ border-color:rgb(153, 180, 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, 180, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 180, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 180, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 180,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6348, 0.2433, 0.2388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 180, 255) }
```

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

```
.background{ background-color: rgb(153,  
180, 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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