

Converting Colors

$Y_{xy}(45.7637, 0.2429, 0.2361)$

Have a look what the booklet for
Yxy(45.7637, 0.2429, 0.2361)
contains.

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Color

Yxy(45.8331, 0.2429, 0.2364)

Conversions

Conversions Part 1

Format	Color
Hex	99B2FF
RGB	153, 178, 255
RGB Percent	60%, 70%, 100%
CMY	0.4003, 0.3019, 0.0001
CMYK	0.40, 0.30, 0.00, 0.00
HSL	225°, 100%, 80%
HSV	225°, 40%, 100%
XYZ	47.0933, 45.8331, 100.9530
YIQ	179.3030, -39.6170, 18.6470

Conversions

Conversions Part 2

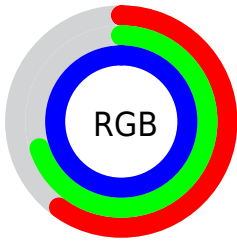
Format	Color
R_{YB}	153, 173, 255
Decimal	10072831
CIE _{Lab}	73.44, 10.14, -40.82
CIE _{LCh}	73, 42.062, 283.956
Yxy	45.8331, 0.2429, 0.2364
Android (android.graphics.Color)	4288262911 (0xFF99B2FF)
YUV	179.3030, 37.3186, -23.0677
Hunter-Lab	67.7001, 5.6922, -41.0219

Details

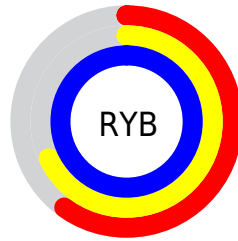
The Yxy color **45.8331, 0.2429, 0.2364** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **80.0791, 0.3821, 0.4067**, and the grayscale version is **45.0565, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7673, 0.2849, 0.3069**, and **21.5403, 0.2247, 0.2143** is the 20% darker color. If you saturate the color by 10%, you get **36.4909, 0.2238, 0.2082**, and if you desaturate by 10%, it is **56.7811, 0.2618, 0.2630**.

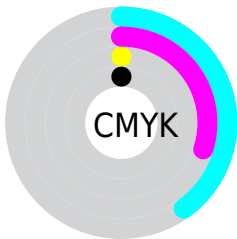
Distribution



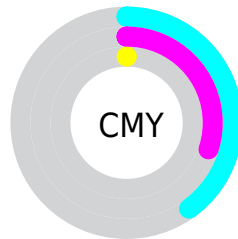
- Red (60%)
- Green (70%)
- Blue (100%)



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



- Cyan (40%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8331, 0.2429, 0.2364 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 45.8331, 0.2429, 0.2364 by changing the saturation by 10% instead.

■ 45.8331, 0.2429,
0.2364

■ 45.8331, 0.2429,
0.2364

370.1373, 0.2770,
0.2803

■ 32.1141, 0.2348,
0.2263

■ 83.9692, 0.2550,
0.2517

■ 21.4487, 0.2246,
0.2139

■ 109.1551, 0.2597,
0.2577

■ 13.4524, 0.2117,
0.1982

138.9320, 0.2636,
0.2628

■ 7.7408, 0.1946,
0.1781

173.6845, 0.2671,
0.2672

■ 3.9295, 0.1715,
0.1517

213.7969, 0.2700,
0.2711

■ 1.6342, 0.1393,
0.1164

259.6535, 0.2727,


■ 0.3805, 0.0926,


0.2745


0.0578


311.6389, 0.2750,
0.2776


 0.0000, 0.0000,
0.0000

 45.8331, 0.2429,
0.2364

 45.8331, 0.2429,
0.2364


 36.4909, 0.2238,
0.2082


 56.7811, 0.2618,
0.2630

 28.6709, 0.2053,
0.1793


 69.4024, 0.2800,
0.2875

 22.2893, 0.1886,
0.1511

 83.7672, 0.2970,
0.3095

 17.2513, 0.1745,
0.1250

99.9396, 0.3127,
0.3290

 13.4494, 0.1639,
0.1027

99.9986, 0.3127,
0.3290

■ 10.7419, 0.1570,
0.0851

Harmonies

Analogous

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



45.8331, 0.2138, 0.2465



45.8331, 0.2429, 0.2364



45.8331, 0.2923, 0.2471

Triad

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



45.8331, 0.2429, 0.2364



45.8331, 0.4301, 0.3607



45.8331, 0.2681, 0.3933

Complementary

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



45.8331, 0.2429, 0.2364



80.0791, 0.3821, 0.4067

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.



45.8331, 0.3241, 0.4319



45.8331, 0.2429, 0.2364



45.8331, 0.4196, 0.4038

Square

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



45.8331, 0.2429, 0.2364



45.8331, 0.4051, 0.3151



45.8331, 0.3798, 0.4329



45.8331, 0.2266, 0.3336

Rectangle

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



45.8331, 0.2429, 0.2364



45.8331, 0.3323, 0.2641



45.8331, 0.3798, 0.4329



45.8331, 0.2858, 0.4098

Sweetspot

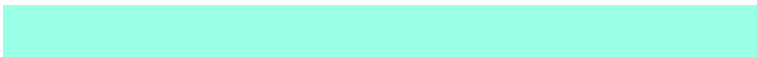
The Sweet Spot groups the original color and five complimentary colors.



45.8348, 0.2429, 0.2364



80.8029, 0.2938, 0.3053



83.9543, 0.2691, 0.3582



16.8817, 0.2916, 0.3025



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.



45.8348, 0.2429, 0.2364



38.2637, 0.2276, 0.2140



39.4938, 0.2560, 0.2111



18.1033, 0.2979, 0.3105



5.8087, 0.1577, 0.0877



0.7285, 0.1634, 0.1084

Inverse Universe

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



47.2295, 0.3889, 0.3029



40.5595, 0.4126, 0.2980



90.5381, 0.3553, 0.4349



18.0603, 0.3255, 0.3232



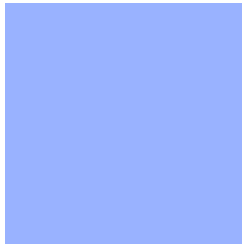
11.3144, 0.5948, 0.3050



1.1181, 0.5634, 0.2878

Previews

White Background



This preview shows how the Yxy color 45.8331, 0.2429, 0.2364 looks on a white background.

Color Contrast Check

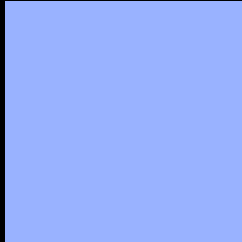
Large Text (above 18pt) WCAG AA × Fail

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 45.8331, 0.2429, 0.2364 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 45.8331, 0.2429, 0.2364

Background



This preview shows how black text looks on a background with the Yxy color 45.8331, 0.2429, 0.2364.



This preview shows how white text looks on a background with the Yxy color 45.8331, 0.2429, 0.2364.

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

45.8331, 0.2429, 0.2364

Protanopia

45.6680, 0.2451, 0.2365

Deuteranopia

45.8331, 0.2429, 0.2364



Tritanopia

45.8537, 0.2662, 0.3084

Trichromacy



Original Color

45.8331, 0.2429, 0.2364

Protanomaly

45.5686, 0.2445, 0.2364

Deuteranomaly

45.8331, 0.2429, 0.2364

Tritanomaly

45.5746, 0.2573, 0.2791

Monochromacy



Original Color

45.8331, 0.2429, 0.2364

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.2912, 0.2841, 0.2928

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8331, 0.2429, 0.2364 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, 178, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 178, 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, 178, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 178, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.8331, 0.2429, 0.2364 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, 178, 255) }
```

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

```
.border{ border-color:rgb(153, 178, 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, 178, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 178, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 178, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 178,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8331, 0.2429, 0.2364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 178, 255) }
```

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

```
.background{ background-color: rgb(153,  
178, 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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