

Converting Colors

$Y_{xy}(45.1544, 0.2421, 0.2344)$

Have a look what the booklet for
Yxy(45.1544, 0.2421, 0.2344)
contains.

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Color

Yxy(45.3397, 0.2421, 0.2350)

Conversions

Conversions Part 1

Format	Color
Hex	98B1FF
RGB	152, 177, 255
RGB Percent	60%, 69%, 100%
CMY	0.4042, 0.3058, 0.0001
CMYK	0.40, 0.31, 0.00, 0.00
HSL	225°, 100%, 80%
HSV	225°, 40%, 100%
XYZ	46.7095, 45.3397, 100.8857
YIQ	178.4170, -39.9380, 18.9580

Conversions

Conversions Part 2

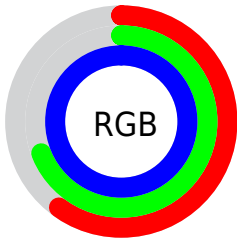
Format	Color
RYB	152, 172, 255
Decimal	10007039
CIELab	73.12, 10.46, -41.33
CIELCh	73, 42.634, 284.195
Yxy	45.3397, 0.2421, 0.2350
Android (android.graphics.Color)	4288197119 (0xFF98B1FF)
YUV	178.4170, 37.7554, -23.1677
Hunter-Lab	67.3348, 5.9881, -41.6981

Details

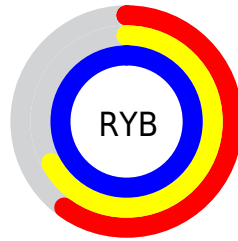
The Yxy color **45.3397, 0.2421, 0.2350** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **80.0600, 0.3827, 0.4076**, and the grayscale version is **44.5603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4885, 0.2842, 0.3047**, and **21.2312, 0.2237, 0.2125** is the 20% darker color. If you saturate the color by 10%, you get **36.0501, 0.2230, 0.2066**, and if you desaturate by 10%, it is **56.2387, 0.2611, 0.2618**.

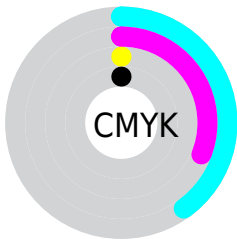
Distribution



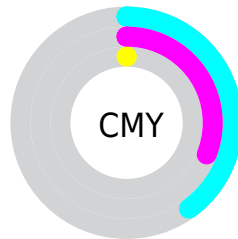
- Red (60%)
- Green (69%)
- Blue (100%)



- Red (60%)
- Yellow (67%)
- Blue (100%)



- Cyan (40%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)





- Cyan (40%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3397, 0.2421, 0.2350 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 45.3397, 0.2421, 0.2350 by changing the saturation by 10% instead.


 45.3397, 0.2421,
0.2350

 45.3397, 0.2421,
0.2350


368.1476, 0.2767,
0.2796

 31.7251, 0.2339,
0.2247


 83.2299, 0.2544,
0.2506

 21.1516, 0.2236,
0.2121


 108.2743, 0.2591,
0.2566

 13.2349, 0.2104,
0.1962


137.8975, 0.2631,
0.2618

 7.5905, 0.1932,
0.1759

172.4837, 0.2666,
0.2663

 3.8340, 0.1697,
0.1491

212.4174, 0.2696,
0.2702

 1.5812, 0.1372,
0.1135

258.0831, 0.2722,

 0.3449, 0.0896,

0.2737

0.0530

309.8650, 0.2746,
0.2768

0.0000, 0.0000,
0.0000

45.3397, 0.2421,
0.2350

45.3397, 0.2421,
0.2350

36.0501, 0.2230,
0.2066

56.2387, 0.2611,
0.2618

28.2858, 0.2045,
0.1777

68.8155, 0.2793,
0.2864

21.9619, 0.1878,
0.1495

83.1407, 0.2964,
0.3086

16.9829, 0.1738,
0.1235

99.2790, 0.3121,
0.3282

13.2395, 0.1634,
0.1014

99.9992, 0.3127,
0.3290

■ 10.6727, 0.1569,
0.0847

Harmonies

Analogous

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



45.3397, 0.2124, 0.2450



45.3397, 0.2421, 0.2350



45.3397, 0.2924, 0.2460

Triad

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



45.3397, 0.2421, 0.2350



45.3397, 0.4322, 0.3614



45.3397, 0.2669, 0.3941

Complementary

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



45.3397, 0.2421, 0.2350



80.0600, 0.3827, 0.4076

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.



45.3397, 0.3237, 0.4336



45.3397, 0.2421, 0.2350



45.3397, 0.4211, 0.4052

Square

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



45.3397, 0.2421, 0.2350



45.3397, 0.4070, 0.3152



45.3397, 0.3804, 0.4347



45.3397, 0.2250, 0.3331

Rectangle

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



45.3397, 0.2421, 0.2350



45.3397, 0.3330, 0.2633



45.3397, 0.3804, 0.4347



45.3397, 0.2849, 0.4110

Sweetspot

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



45.3414, 0.2421, 0.2350



80.7598, 0.2938, 0.3052



83.8506, 0.2688, 0.3585



16.8716, 0.2916, 0.3024



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.



45.3414, 0.2421, 0.2350



38.1551, 0.2276, 0.2136



39.0836, 0.2553, 0.2098



18.0958, 0.2979, 0.3105



5.7706, 0.1576, 0.0872



0.7238, 0.1633, 0.1078

Inverse Universe

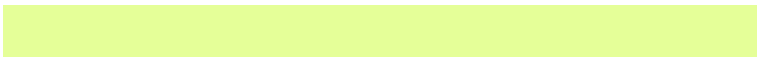
The Inverse Universe completely reimagines the original color for something new.



46.8680, 0.3903, 0.3029



40.5485, 0.4130, 0.2983



90.4716, 0.3556, 0.4360



18.0596, 0.3256, 0.3232



11.3105, 0.5956, 0.3055



1.1176, 0.5643, 0.2882

Previews

White Background



This preview shows how the Yxy color 45.3397, 0.2421, 0.2350 looks on a white background.

Color Contrast Check

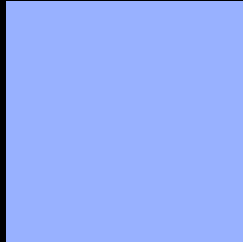
Large Text (above 18pt) WCAG AA × Fail

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 45.3397, 0.2421, 0.2350 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 45.3397, 0.2421, 0.2350

Background



This preview shows how black text looks on a background with the Yxy color 45.3397, 0.2421, 0.2350.



This preview shows how white text looks on a background with the Yxy color 45.3397, 0.2421, 0.2350.

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

45.3397, 0.2421, 0.2350

Protanopia

45.2392, 0.2438, 0.2342

Deuteranopia

45.2436, 0.2415, 0.2348



Tritanopia

45.2082, 0.2653, 0.3082

Trichromacy



Original Color

45.3397, 0.2421, 0.2350

Protanomaly

45.1407, 0.2432, 0.2340

Deuteranomaly

45.2436, 0.2415, 0.2348

Tritanomaly

44.9271, 0.2564, 0.2788

Monochromacy



Original Color

45.3397, 0.2421, 0.2350

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.7320, 0.2840, 0.2926

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3397, 0.2421, 0.2350 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(152, 177, 255)` looks like.

```
.text, #text, p{  
    color:rgb(152, 177, 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(152, 177, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 177, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.3397, 0.2421, 0.2350 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(152, 177, 255) }
```

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

```
.border{ border-color:rgb(152, 177, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 177, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(152, 177, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(152, 177, 255); box-shadow:4px 4px 4px 4px rgb(152, 177, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3397, 0.2421, 0.2350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 177, 255) }
```

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

```
.background{ background-color: rgb(152,  
177, 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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