

Converting Colors

$Y_{xy}(47.4858, 0.2285, 0.2143)$

Have a look what the booklet for
Yxy(47.4858, 0.2285, 0.2143)
contains.

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Color

Yxy(45.7561, 0.2402, 0.2369)

Conversions

Conversions Part 1

Format	Color
Hex	94B3FF
RGB	148, 179, 255
RGB Percent	58%, 70%, 100%
CMY	0.4193, 0.2981, 0.0000
CMYK	0.42, 0.30, 0.00, 0.00
HSL	223°, 100%, 79%
HSV	223°, 42%, 100%
XYZ	46.3935, 45.7561, 100.9956
YIQ	178.3950, -42.8720, 17.0640

Conversions

Conversions Part 2

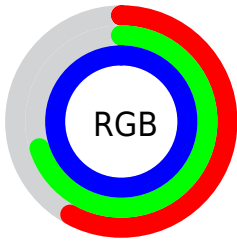
Format	Color
R_{YB}	148, 172, 255
Decimal	9745407
CIE _{Lab}	73.39, 8.39, -40.93
CIE _{LCh}	73, 41.785, 281.584
Yxy	45.7561, 0.2402, 0.2369
Android (android.graphics.Color)	4287935487 (0xFF94B3FF)
YUV	178.3950, 37.7663, -26.6564
Hunter-Lab	67.6433, 4.0495, -41.1734

Details

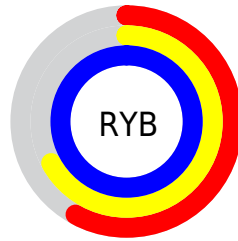
The Yxy color **45.7561, 0.2402, 0.2369** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **76.7646, 0.3876, 0.4061**, and the grayscale version is **44.5622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6158, 0.2819, 0.3078**, and **21.5313, 0.2217, 0.2150** is the 20% darker color. If you saturate the color by 10%, you get **36.8393, 0.2217, 0.2100**, and if you desaturate by 10%, it is **56.1553, 0.2588, 0.2623**.

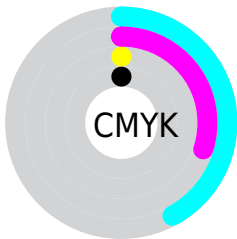
Distribution



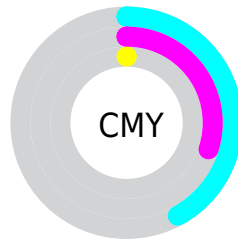
- Red (58%)
- Green (70%)
- Blue (100%)



- Red (58%)
- Yellow (67%)
- Blue (100%)



- Cyan (42%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (42%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.7561, 0.2402, 0.2369 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 45.7561, 0.2402, 0.2369 by changing the saturation by 10% instead.

■ 45.7561, 0.2402,
0.2369

■ 45.7561, 0.2402,
0.2369

369.8272, 0.2756,
0.2807

■ 32.0534, 0.2318,
0.2268

■ 83.8539, 0.2527,
0.2522

■ 21.4023, 0.2214,
0.2143

■ 109.0177, 0.2576,
0.2581

■ 13.4184, 0.2080,
0.1987

138.7707, 0.2617,
0.2632

■ 7.7173, 0.1905,
0.1785

173.4973, 0.2652,
0.2677

■ 3.9146, 0.1669,
0.1519

213.5819, 0.2683,
0.2715

■ 1.6259, 0.1342,
0.1165

259.4088, 0.2710,

■ 0.3750, 0.0859,

0.2749

0.0574

311.3624, 0.2734,
0.2780

0.0000, 0.0000,
0.0000

45.7561, 0.2402,
0.2369

45.7561, 0.2402,
0.2369

36.8393, 0.2217,
0.2100

56.1553, 0.2588,
0.2623

29.3284, 0.2040,
0.1826

68.0987, 0.2768,
0.2857

23.1467, 0.1881,
0.1556

81.6503, 0.2939,
0.3068

18.2070, 0.1749,
0.1306

96.8688, 0.3098,
0.3256

14.4096, 0.1650,
0.1087

100.0000, 0.3127,
0.3290

■ 12.0779, 0.1595,
0.0941

Harmonies

Analogous

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



45.7561, 0.2130, 0.2488



45.7561, 0.2402, 0.2369



45.7561, 0.2880, 0.2460

Triad

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



45.7561, 0.2402, 0.2369



45.7561, 0.4287, 0.3570



45.7561, 0.2725, 0.3971

Complementary

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



45.7561, 0.2402, 0.2369



76.7646, 0.3876, 0.4061

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.



45.7561, 0.3287, 0.4327



45.7561, 0.2402, 0.2369



45.7561, 0.4210, 0.4004

Square

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



45.7561, 0.2402, 0.2369



45.7561, 0.4012, 0.3118



45.7561, 0.3833, 0.4309



45.7561, 0.2296, 0.3384

Rectangle

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



45.7561, 0.2402, 0.2369



45.7561, 0.3273, 0.2620



45.7561, 0.3833, 0.4309



45.7561, 0.2904, 0.4127

Sweetspot

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



45.7576, 0.2402, 0.2369



80.1195, 0.2921, 0.3047



83.1472, 0.2700, 0.3663



16.4868, 0.2884, 0.3002



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.



45.7576, 0.2402, 0.2369



38.4473, 0.2252, 0.2153



36.9123, 0.2487, 0.2035



18.2329, 0.2979, 0.3116



6.5313, 0.1602, 0.0968



0.8139, 0.1663, 0.1185

Inverse Universe

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



45.7197, 0.3895, 0.2969



39.2613, 0.4126, 0.2912



91.0883, 0.3607, 0.4386



18.0734, 0.3249, 0.3222



11.3873, 0.5807, 0.2973



1.1267, 0.5487, 0.2796

Previews

White Background



This preview shows how the Yxy color 45.7561, 0.2402, 0.2369 looks on a white background.

Color Contrast Check

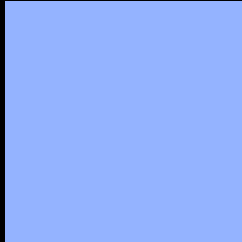
Large Text (above 18pt) WCAG AA × Fail

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 45.7561, 0.2402, 0.2369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

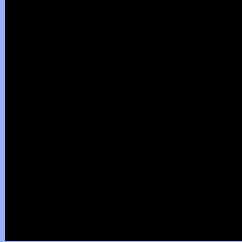
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.7561, 0.2402, 0.2369

Background



This preview shows how black text looks on a background with the Yxy color 45.7561, 0.2402, 0.2369.



This preview shows how white text looks on a background with the Yxy color 45.7561, 0.2402, 0.2369.

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

45.7561, 0.2402, 0.2369

Protanopia

45.6680, 0.2451, 0.2365

Deuteranopia

45.7362, 0.2423, 0.2362



Tritanopia

45.9057, 0.2625, 0.3083

Trichromacy



Original Color

45.7561, 0.2402, 0.2369

Protanomaly

45.7689, 0.2434, 0.2373

Deuteranomaly

45.6401, 0.2417, 0.2361

Tritanomaly

45.6011, 0.2537, 0.2789

Monochromacy



Original Color

45.7561, 0.2402, 0.2369

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.5125, 0.2825, 0.2924

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7561, 0.2402, 0.2369 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(148, 179, 255)` looks like.

```
.text, #text, p{  
    color:rgb(148, 179, 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(148, 179, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 179, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.7561, 0.2402, 0.2369 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(148, 179, 255) }
```

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

```
.border{ border-color:rgb(148, 179, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 179, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 179, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 179, 255);  
box-shadow:4px 4px 4px 4px rgb(148, 179,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7561, 0.2402, 0.2369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 179, 255) }
```

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

```
.background{ background-color: rgb(148,  
179, 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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