

Converting Colors

$Y_{xy}(48.0289, 0.2403, 0.2442)$

Have a look what the booklet for
Yxy(48.0289, 0.2403, 0.2442)
contains.

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Color

Yxy(48.0289, 0.2403, 0.2442)

Conversions

Conversions Part 1

Format	Color
Hex	92B9FF
RGB	146, 185, 255
RGB Percent	57%, 73%, 100%
CMY	0.4272, 0.2746, 0.0000
CMYK	0.43, 0.27, 0.00, 0.00
HSL	219°, 100%, 79%
HSV	219°, 43%, 100%
XYZ	47.2619, 48.0289, 101.3878
YIQ	181.3190, -45.7140, 13.5020

Conversions

Conversions Part 2

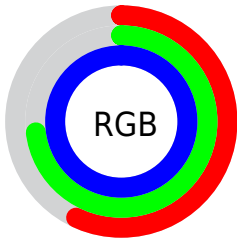
Format	Color
RYB	146, 175, 255
Decimal	9615871
CIELab	74.84, 4.56, -38.68
CIELCh	75, 38.943, 276.718
Yxy	48.0289, 0.2403, 0.2442
Android (android.graphics.Color)	4287805951 (0xFF92B9FF)
YUV	181.3190, 36.3247, -30.9748
Hunter-Lab	69.3029, 0.4500, -38.2273

Details

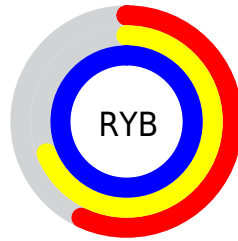
The Yxy color **48.0289, 0.2403, 0.2442** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **72.4917, 0.3924, 0.4006**, and the grayscale version is **46.2159, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8271, 0.2812, 0.3142**, and **22.7036, 0.2215, 0.2228** is the 20% darker color. If you saturate the color by 10%, you get **39.4809, 0.2227, 0.2198**, and if you desaturate by 10%, it is **57.8919, 0.2582, 0.2672**.

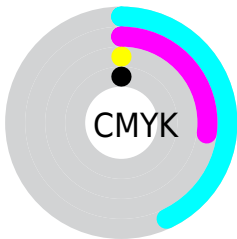
Distribution



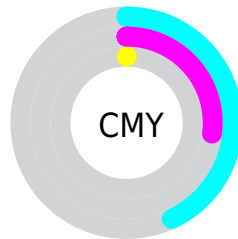
- Red (57%)
- Green (73%)
- Blue (100%)



- Red (57%)
- Yellow (69%)
- Blue (100%)



- Cyan (43%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (43%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0289, 0.2403, 0.2442 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 48.0289, 0.2403, 0.2442 by changing the saturation by 10% instead.

■ 48.0289, 0.2403,
0.2442

■ 48.0289, 0.2403,
0.2442

■ 378.9067, 0.2753,
0.2846

■ 33.8498, 0.2321,
0.2348

■ 87.2474, 0.2527,
0.2584

■ 22.7782, 0.2219,
0.2233

■ 113.0556, 0.2574,
0.2638

■ 14.4298, 0.2088,
0.2087

■ 143.5090, 0.2615,
0.2685

■ 8.4202, 0.1918,
0.1897

■ 178.9918, 0.2650,
0.2726

■ 4.3650, 0.1689,
0.1646

■ 219.8887, 0.2680,
0.2762

■ 1.8798, 0.1372,
0.1305

■ 266.5838, 0.2707,

■ 0.5362, 0.0912,

0.2793

0.0787

319.4617, 0.2731,
0.2821

0.0000, 0.0000,
0.0000

48.0289, 0.2403,
0.2442

48.0289, 0.2403,
0.2442

39.4809, 0.2227,
0.2198

57.8919, 0.2582,
0.2672

32.1812, 0.2060,
0.1947

69.1222, 0.2758,
0.2884

26.0638, 0.1911,
0.1698

81.7751, 0.2927,
0.3076

21.0533, 0.1786,
0.1461

95.9009, 0.3086,
0.3247

17.0627, 0.1692,
0.1246

100.0000, 0.3127,
0.3290

■ 14.7200, 0.1641,
0.1108

Harmonies

Analogous

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



48.0289, 0.2183, 0.2590



48.0289, 0.2403, 0.2442



48.0289, 0.2820, 0.2495

Triad

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



48.0289, 0.2403, 0.2442



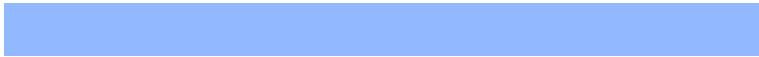
48.0289, 0.4171, 0.3486



48.0289, 0.2839, 0.3982

Complementary

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



48.0289, 0.2403, 0.2442



72.4917, 0.3924, 0.4006

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.



48.0289, 0.3365, 0.4256



48.0289, 0.2403, 0.2442



48.0289, 0.4156, 0.3895

Square

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



48.0289, 0.2403, 0.2442



48.0289, 0.3871, 0.3070



48.0289, 0.3851, 0.4197



48.0289, 0.2414, 0.3469

Rectangle

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



48.0289, 0.2403, 0.2442



48.0289, 0.3173, 0.2628



48.0289, 0.3851, 0.4197



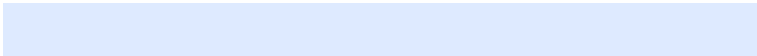
48.0289, 0.3010, 0.4109

Sweetspot

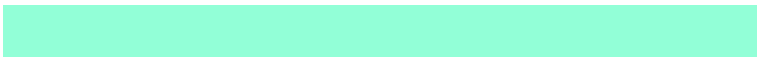
The Sweet Spot groups the original color and five complimentary colors.



48.0306, 0.2403, 0.2442



81.3972, 0.2922, 0.3070



82.5469, 0.2728, 0.3760



16.7998, 0.2886, 0.3030



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.



48.0306, 0.2403, 0.2442



40.8584, 0.2256, 0.2241



35.3348, 0.2421, 0.1991



18.4397, 0.2979, 0.3133



7.9467, 0.1650, 0.1138



0.9713, 0.1712, 0.1363

Inverse Universe

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



45.3420, 0.3838, 0.2886



38.8706, 0.4051, 0.2814



92.2063, 0.3665, 0.4386



18.0943, 0.3238, 0.3205



11.5302, 0.5555, 0.2834



1.1426, 0.5241, 0.2661

Previews

White Background



This preview shows how the Yxy color 48.0289, 0.2403, 0.2442 looks on a white background.

Color Contrast Check

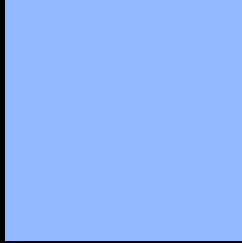
Large Text (above 18pt) WCAG AA × Fail

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 48.0289, 0.2403, 0.2442 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

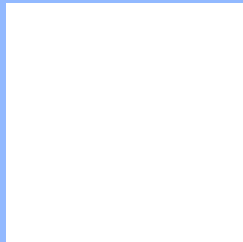
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.0289, 0.2403, 0.2442

Background



This preview shows how black text looks on a background with the Yxy color 48.0289, 0.2403, 0.2442.



This preview shows how white text looks on a background with the Yxy color 48.0289, 0.2403, 0.2442.

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

48.0289, 0.2403, 0.2442

Protanopia

47.8626, 0.2513, 0.2444

Deuteranopia

48.1495, 0.2480, 0.2423



Tritanopia

48.2554, 0.2598, 0.3086

Trichromacy



Original Color

48.0289, 0.2403, 0.2442

Protanomaly

47.7158, 0.2472, 0.2439

Deuteranomaly

48.0555, 0.2451, 0.2428

Tritanomaly

48.1559, 0.2520, 0.2833

Monochromacy



Original Color

48.0289, 0.2403, 0.2442

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.3348, 0.2821, 0.2953

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0289, 0.2403, 0.2442 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(146, 185, 255)` looks like.

```
.text, #text, p{  
    color:rgb(146, 185, 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(146, 185, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 185, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.0289, 0.2403, 0.2442 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(146, 185, 255) }
```

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

```
.border{ border-color:rgb(146, 185, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 185, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 185, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 185, 255);  
box-shadow:4px 4px 4px 4px rgb(146, 185,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0289, 0.2403, 0.2442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 185, 255) }
```

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

```
.background{ background-color: rgb(146,  
185, 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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