

# Converting Colors

$Yxy(47.8564, 0.2390, 0.2415)$

Have a look what the booklet for  
Yxy(47.8564, 0.2390, 0.2415)  
contains.

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# Color

**Yxy(47.6120, 0.2401, 0.2429)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92B8FF
RGB	146, 184, 255
RGB Percent	57%, 72%, 100%
CMY	0.4270, 0.2785, 0.0000
CMYK	0.43, 0.28, 0.00, 0.00
HSL	219°, 100%, 79%
HSV	219°, 43%, 100%
XYZ	47.0632, 47.6120, 101.3397
YIQ	180.7320, -45.4390, 14.0250

# Conversions

## Conversions Part 2

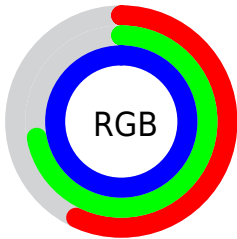
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	146, 174, 255
Decimal	9615615
CIE <sub>Lab</sub>	74.58, 5.14, -39.10
CIE <sub>LCh</sub>	75, 39.435, 277.483
Yxy	47.6120, 0.2401, 0.2429
Android (android.graphics.Color)	4287805695 (0xFF92B8FF)
YUV	180.7320, 36.6141, -30.4600
Hunter-Lab	69.0014, 0.9953, -38.7758

# Details

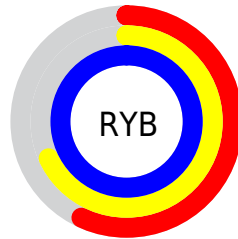
The Yxy color **47.6120, 0.2401, 0.2429** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **73.0402, 0.3919, 0.4015**, and the grayscale version is **45.8844, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2367, 0.2811, 0.3131**, and **22.4337, 0.2211, 0.2212** is the 20% darker color. If you saturate the color by 10%, you get **39.0194, 0.2224, 0.2182**, and if you desaturate by 10%, it is **57.5385, 0.2581, 0.2663**.

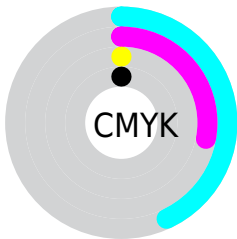
# Distribution



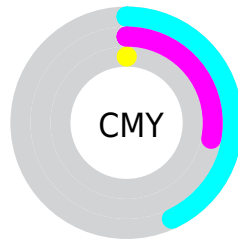
- Red (57%)
- Green (72%)
- Blue (100%)



- Red (57%)
- Yellow (68%)
- Blue (100%)



- Cyan (43%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (43%)
- Magenta (28%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.6120, 0.2401, 0.2429 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 47.6120, 0.2401, 0.2429 by changing the saturation by 10% instead.



■ 47.6120, 0.2401,  
0.2429

■ 47.6120, 0.2401,  
0.2429

377.2521, 0.2752,  
0.2839

■ 33.5197, 0.2318,  
0.2334

■ 86.6264, 0.2525,  
0.2573

■ 22.5249, 0.2215,  
0.2217

■ 112.3174, 0.2573,  
0.2628

■ 14.2431, 0.2084,  
0.2069

142.6433, 0.2614,  
0.2676

■ 8.2899, 0.1913,  
0.1877

177.9887, 0.2649,  
0.2717

■ 4.2810, 0.1683,  
0.1623

218.7379, 0.2680,  
0.2753

■ 1.8320, 0.1364,  
0.1279

265.2752, 0.2707,


■ 0.5070, 0.0898,


0.2785


0.0750


317.9852, 0.2731,  
0.2814

 0.0000, 0.0000,  
0.0000


 47.6120, 0.2401,  
0.2429


 47.6120, 0.2401,  
0.2429


 39.0194, 0.2224,  
0.2182


 57.5385, 0.2581,  
0.2663

 31.6975, 0.2055,  
0.1928

 68.8574, 0.2758,  
0.2878

 25.5775, 0.1905,  
0.1675

 81.6234, 0.2927,  
0.3073

 20.5824, 0.1780,  
0.1436

 95.8881, 0.3086,  
0.3247

 16.6234, 0.1685,  
0.1221

100.0000, 0.3127,  
0.3290

■ 14.3074, 0.1634,  
0.1083

# Harmonies

## Analogous

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



47.6120, 0.2173, 0.2573



47.6120, 0.2401, 0.2429



47.6120, 0.2828, 0.2488

# Triad

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



47.6120, 0.2401, 0.2429



47.6120, 0.4191, 0.3499



47.6120, 0.2821, 0.3982

# Complementary

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



47.6120, 0.2401, 0.2429



73.0402, 0.3919, 0.4015

# 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.



47.6120, 0.3354, 0.4269



47.6120, 0.2401, 0.2429



47.6120, 0.4167, 0.3913

# Square

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



47.6120, 0.2401, 0.2429



47.6120, 0.3893, 0.3076



47.6120, 0.3851, 0.4216



47.6120, 0.2394, 0.3457



# Rectangle

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



47.6120, 0.2401, 0.2429



47.6120, 0.3188, 0.2625



47.6120, 0.3851, 0.4216



47.6120, 0.2994, 0.4114

# Sweetspot

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



47.6120, 0.2401, 0.2429



81.2164, 0.2922, 0.3067



82.6461, 0.2720, 0.3737



16.7555, 0.2885, 0.3026



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

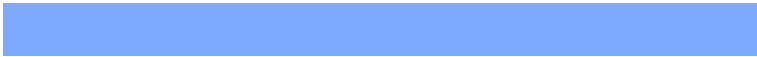


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.6120, 0.2401, 0.2429



40.3871, 0.2253, 0.2225



35.5435, 0.2434, 0.1996



18.4105, 0.2979, 0.3130



7.7266, 0.1642, 0.1112



0.9474, 0.1705, 0.1337



# Inverse Universe

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



45.3143, 0.3848, 0.2897



38.8231, 0.4066, 0.2827



91.8920, 0.3653, 0.4391



18.0913, 0.3239, 0.3208



11.5080, 0.5592, 0.2854



1.1402, 0.5276, 0.2680



# Previews

## White Background



This preview shows how the Yxy color 47.6120, 0.2401, 0.2429 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

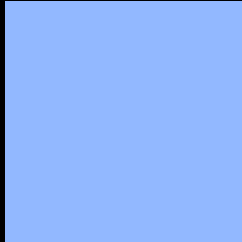
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.6120, 0.2401, 0.2429 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

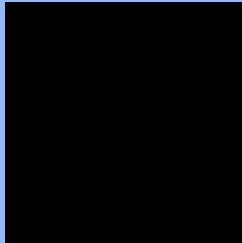
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

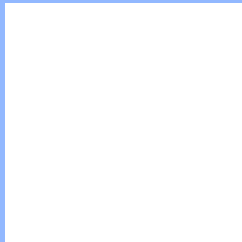
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 47.6120, 0.2401, 0.2429**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.6120, 0.2401, 0.2429.



This preview shows how white text looks on a background with the Yxy color 47.6120, 0.2401, 0.2429.

# 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

47.6120, 0.2401, 0.2429

### Protanopia

47.3522, 0.2505, 0.2431

### Deuteranopia

47.5368, 0.2465, 0.2408



## Tritanopia

47.6805, 0.2596, 0.3085

# Trichromacy



## Original Color

47.6120, 0.2401, 0.2429

## Protanomaly

47.2075, 0.2464, 0.2425

## Deuteranomaly

47.5459, 0.2443, 0.2415

## Tritanomaly

47.6664, 0.2524, 0.2831

# Monochromacy



## Original Color

47.6120, 0.2401, 0.2429

## 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 47.6120, 0.2401, 0.2429 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, 184, 255)` looks like.

```
.text, #text, p{  
    color:rgb(146, 184, 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, 184, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 184, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 47.6120, 0.2401, 0.2429 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, 184, 255) }
```

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

```
.border{ border-color:rgb(146, 184, 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, 184, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 184, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 184, 255);  
box-shadow:4px 4px 4px 4px rgb(146, 184,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.6120, 0.2401, 0.2429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 184, 255) }
```

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

```
.background{ background-color: rgb(146,  
184, 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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