

Converting Colors

Yxy(52.8940, 0.2132, 0.1907)

Have a look what the booklet for
Yxy(52.8940, 0.2132, 0.1907)
contains.

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Color

Yxy(47.8472, 0.2391, 0.2440)

Conversions

Conversions Part 1

Format	Color
Hex	90B9FF
RGB	144, 185, 255
RGB Percent	56%, 73%, 100%
CMY	0.4357, 0.2744, 0.0000
CMYK	0.44, 0.27, 0.00, 0.00
HSL	218°, 100%, 78%
HSV	218°, 44%, 100%
XYZ	46.8863, 47.8472, 101.3615
YIQ	180.7210, -46.9060, 13.0780

Conversions

Conversions Part 2

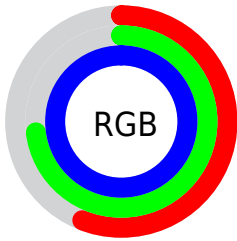
Format	Color
RYB	144, 174, 255
Decimal	9484799
CIELab	74.73, 4.00, -38.86
CIELCh	75, 39.061, 275.874
Yxy	47.8472, 0.2391, 0.2440
Android (android.graphics.Color)	4287674879 (0xFF90B9FF)
YUV	180.7210, 36.6195, -32.2043
Hunter-Lab	69.1717, -0.0585, -38.4612

Details

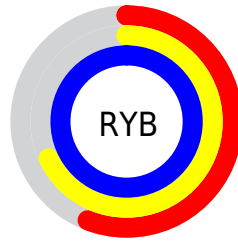
The Yxy color **47.8472, 0.2391, 0.2440** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **71.2962, 0.3949, 0.4006**, and the grayscale version is **45.8595, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5481, 0.2800, 0.3141**, and **22.6060, 0.2202, 0.2225** is the 20% darker color. If you saturate the color by 10%, you get **39.4627, 0.2217, 0.2200**, and if you desaturate by 10%, it is **57.5127, 0.2569, 0.2666**.

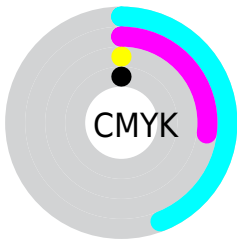
Distribution



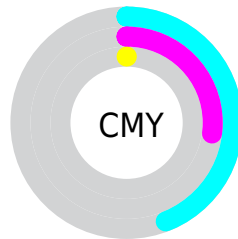
- Red (56%)
- Green (73%)
- Blue (100%)



- Red (56%)
- Yellow (68%)
- Blue (100%)



- Cyan (44%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (44%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.8472, 0.2391, 0.2440 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 47.8472, 0.2391, 0.2440 by changing the saturation by 10% instead.

■ 47.8472, 0.2391,
0.2440

■ 47.8472, 0.2391,
0.2440

378.1861, 0.2746,
0.2846

■ 33.7059, 0.2308,
0.2346

■ 86.9769, 0.2516,
0.2582

■ 22.6678, 0.2204,
0.2230

■ 112.7340, 0.2565,
0.2637

■ 14.3484, 0.2072,
0.2083

143.1319, 0.2606,
0.2684

■ 8.3634, 0.1899,
0.1893

178.5549, 0.2642,
0.2725

■ 4.3283, 0.1668,
0.1640

219.3874, 0.2673,
0.2761

■ 1.8589, 0.1348,
0.1297

266.0139, 0.2700,

■ 0.5235, 0.0879,

0.2792

0.0773

318.8187, 0.2725,
0.2820

0.0000, 0.0000,
0.0000

47.8472, 0.2391,
0.2440

47.8472, 0.2391,
0.2440

39.4627, 0.2217,
0.2200

57.5127, 0.2569,
0.2666

32.2933, 0.2053,
0.1954

68.5098, 0.2744,
0.2875

26.2746, 0.1907,
0.1709

80.8926, 0.2913,
0.3065

21.3323, 0.1786,
0.1476

94.7106, 0.3073,
0.3234

17.3804, 0.1695,
0.1265

99.9993, 0.3127,
0.3290

■ 15.2938, 0.1651,
0.1143

Harmonies

Analogous

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



47.8472, 0.2176, 0.2594



47.8472, 0.2391, 0.2440



47.8472, 0.2804, 0.2488

Triad

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



47.8472, 0.2391, 0.2440



47.8472, 0.4171, 0.3475



47.8472, 0.2852, 0.3997

Complementary

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



47.8472, 0.2391, 0.2440



71.2962, 0.3949, 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.



47.8472, 0.3381, 0.4263



47.8472, 0.2391, 0.2440



47.8472, 0.4165, 0.3887

Square

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



47.8472, 0.2391, 0.2440



47.8472, 0.3862, 0.3058



47.8472, 0.3866, 0.4195



47.8472, 0.2420, 0.3486

Rectangle

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



47.8472, 0.2391, 0.2440



47.8472, 0.3158, 0.2618



47.8472, 0.3866, 0.4195



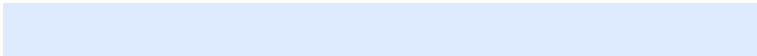
47.8472, 0.3024, 0.4122

Sweetspot

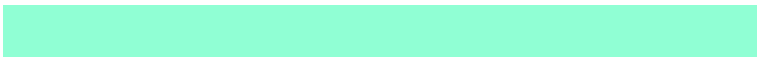
The Sweet Spot groups the original color and five complimentary colors.



47.8490, 0.2391, 0.2440



81.6405, 0.2922, 0.3075



82.2078, 0.2731, 0.3794



16.8595, 0.2886, 0.3035



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.



47.8490, 0.2391, 0.2440



40.6958, 0.2244, 0.2239



34.2925, 0.2391, 0.1957



18.4790, 0.2979, 0.3136



8.2529, 0.1659, 0.1173



1.0041, 0.1722, 0.1398

Inverse Universe

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



44.6802, 0.3843, 0.2864



38.2363, 0.4059, 0.2789



92.4060, 0.3688, 0.4402



18.0983, 0.3236, 0.3202



11.5611, 0.5504, 0.2806



1.1459, 0.5194, 0.2635

Previews

White Background



This preview shows how the Yxy color 47.8472, 0.2391, 0.2440 looks on a white background.

Color Contrast Check

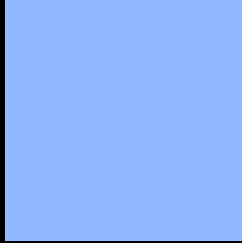
Large Text (above 18pt) WCAG AA × Fail

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 47.8472, 0.2391, 0.2440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

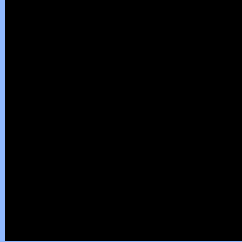
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

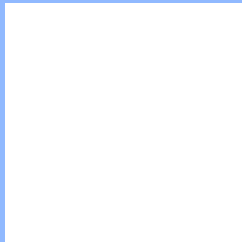
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.8472, 0.2391, 0.2440

Background



This preview shows how black text looks on a background with the Yxy color 47.8472, 0.2391, 0.2440.



This preview shows how white text looks on a background with the Yxy color 47.8472, 0.2391, 0.2440.

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

47.8472, 0.2391, 0.2440

Protanopia

47.7574, 0.2506, 0.2443

Deuteranopia

47.6387, 0.2472, 0.2409



Tritanopia

48.0123, 0.2580, 0.3085

Trichromacy



Original Color

47.8472, 0.2391, 0.2440

Protanomaly

47.5163, 0.2459, 0.2436

Deuteranomaly

47.5459, 0.2443, 0.2415

Tritanomaly

47.9868, 0.2508, 0.2832

Monochromacy



Original Color

47.8472, 0.2391, 0.2440

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 47.8472, 0.2391, 0.2440 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(144, 185, 255)` looks like.

```
.text, #text, p{  
    color:rgb(144, 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(144, 185, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 185, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.8472, 0.2391, 0.2440 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(144, 185, 255) }
```

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

```
.border{ border-color:rgb(144, 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(144, 185, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 185, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 185, 255);  
box-shadow:4px 4px 4px 4px rgb(144, 185,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8472, 0.2391, 0.2440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 185, 255) }
```

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

```
.background{ background-color: rgb(144,  
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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