

Converting Colors

$Yxy(47.9267, 0.2417, 0.2482)$

Have a look what the booklet for
Yxy(47.9267, 0.2417, 0.2482)
contains.

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Color

Yxy(47.7459, 0.2412, 0.2471)

Conversions

Conversions Part 1

Format	Color
Hex	91B9FC
RGB	145, 185, 252
RGB Percent	57%, 73%, 99%
CMY	0.4312, 0.2746, 0.0117
CMYK	0.42, 0.27, 0.00, 0.01
HSL	218°, 95%, 78%
HSV	218°, 42%, 99%
XYZ	46.6059, 47.7459, 98.8732
YIQ	180.6780, -45.3470, 12.3570

Conversions

Conversions Part 2

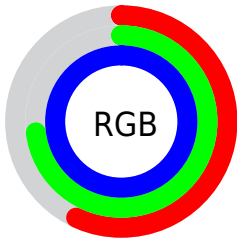
Format	Color
R _Y B	145, 174, 252
Decimal	9550332
CIE Lab	74.66, 3.48, -37.36
CIE LCh	75, 37.517, 275.329
Yxy	47.7459, 0.2412, 0.2471
Android (android.graphics.Color)	4287740412 (0xFF91B9FC)
YUV	180.6780, 35.1617, -31.2896
Hunter-Lab	69.0984, -0.5266, -36.4695

Details

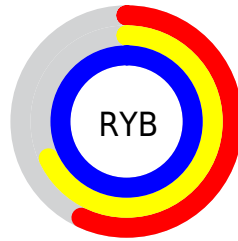
The Yxy color **47.7459, 0.2412, 0.2471** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **69.8766, 0.3925, 0.3984**, and the grayscale version is **45.8571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6872, 0.2806, 0.3141**, and **22.5665, 0.2231, 0.2266** is the 20% darker color. If you saturate the color by 10%, you get **39.4610, 0.2238, 0.2234**, and if you desaturate by 10%, it is **57.2763, 0.2589, 0.2694**.

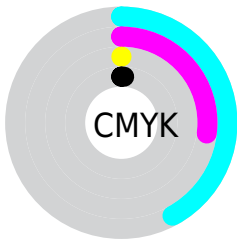
Distribution



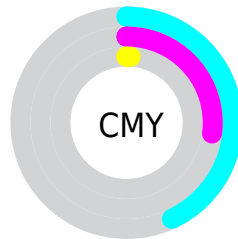
- Red (57%)
- Green (73%)
- Blue (99%)



- Red (57%)
- Yellow (68%)
- Blue (99%)



- Cyan (42%)
- Magenta (27%)
- Yellow (0%)
- Black (1%)



- Cyan (43%)
- Magenta (27%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.7459, 0.2412, 0.2471 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 47.7459, 0.2412, 0.2471 by changing the saturation by 10% instead.

■ 47.7459, 0.2412,
0.2471

■ 47.7459, 0.2412,
0.2471

377.7841, 0.2758,
0.2863

■ 33.6257, 0.2330,
0.2380

■ 86.8260, 0.2534,
0.2609

■ 22.6062, 0.2229,
0.2266

■ 112.5546, 0.2581,
0.2662

■ 14.3030, 0.2099,
0.2123

142.9215, 0.2621,
0.2707

■ 8.3317, 0.1930,
0.1936

178.3111, 0.2656,
0.2747

■ 4.3079, 0.1700,
0.1686

219.1078, 0.2687,
0.2781

■ 1.8473, 0.1381,
0.1344

265.6959, 0.2713,

■ 0.5164, 0.0902,

0.2812

0.0809

318.4598, 0.2737,
0.2839

0.0000, 0.0000,
0.0000

47.7459, 0.2412,
0.2471

47.7459, 0.2412,
0.2471

39.4610, 0.2238,
0.2234

57.2763, 0.2589,
0.2694

32.3582, 0.2073,
0.1989

68.1003, 0.2764,
0.2900

26.3762, 0.1925,
0.1745

80.2700, 0.2931,
0.3086

21.4444, 0.1801,
0.1511

93.8327, 0.3090,
0.3252

17.4812, 0.1707,
0.1297

99.8097, 0.3144,
0.3318

■ 15.0510, 0.1654,
0.1153

Harmonies

Analogous

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



47.7459, 0.2207, 0.2626



47.7459, 0.2412, 0.2471



47.7459, 0.2809, 0.2513

Triad

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



47.7459, 0.2412, 0.2471



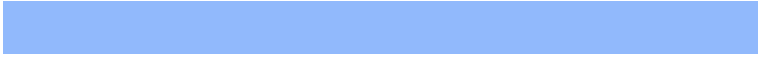
47.7459, 0.4128, 0.3464



47.7459, 0.2873, 0.3974

Complementary

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



47.7459, 0.2412, 0.2471



69.8766, 0.3925, 0.3984

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.



47.7459, 0.3383, 0.4225



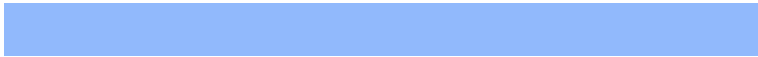
47.7459, 0.2412, 0.2471



47.7459, 0.4129, 0.3861

Square

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



47.7459, 0.2412, 0.2471



47.7459, 0.3825, 0.3060



47.7459, 0.3847, 0.4158



47.7459, 0.2453, 0.3489

Rectangle

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



47.7459, 0.2412, 0.2471



47.7459, 0.3148, 0.2637



47.7459, 0.3847, 0.4158



47.7459, 0.3039, 0.4092

Sweetspot

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



47.7477, 0.2412, 0.2471



81.7003, 0.2922, 0.3076



80.3640, 0.2739, 0.3778



16.8742, 0.2886, 0.3036



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.



47.7477, 0.2412, 0.2471



41.6563, 0.2262, 0.2268



34.5188, 0.2414, 0.1997



17.7046, 0.2979, 0.3137



8.0977, 0.1662, 0.1184



0.9459, 0.1728, 0.1420

Inverse Universe

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



44.4693, 0.3812, 0.2871



38.9512, 0.4027, 0.2793



90.1267, 0.3674, 0.4374



17.3324, 0.3235, 0.3202



11.2284, 0.5489, 0.2798



1.0597, 0.5165, 0.2619

Previews

White Background



This preview shows how the Yxy color 47.7459, 0.2412, 0.2471 looks on a white background.

Color Contrast Check

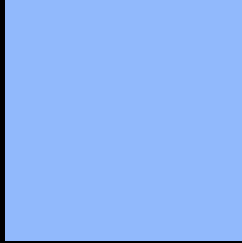
Large Text (above 18pt) WCAG AA × Fail

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 47.7459, 0.2412, 0.2471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

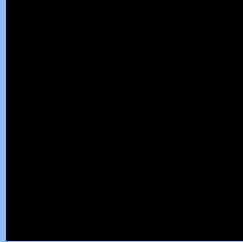
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

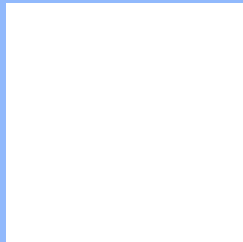
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.7459, 0.2412, 0.2471

Background



This preview shows how black text looks on a background with the Yxy color 47.7459, 0.2412, 0.2471.



This preview shows how white text looks on a background with the Yxy color 47.7459, 0.2412, 0.2471.

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

47.7459, 0.2412, 0.2471

Protanopia

47.6738, 0.2529, 0.2475

Deuteranopia

47.7167, 0.2495, 0.2432



Tritanopia

47.7299, 0.2590, 0.3072

Trichromacy



Original Color

47.7459, 0.2412, 0.2471

Protanomaly

47.4259, 0.2481, 0.2468

Deuteranomaly

47.5163, 0.2459, 0.2436

Tritanomaly

47.5815, 0.2518, 0.2831

Monochromacy



Original Color

47.7459, 0.2412, 0.2471

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.2857, 0.2828, 0.2966

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7459, 0.2412, 0.2471 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(145, 185, 252)` looks like.

```
.text, #text, p{  
    color:rgb(145, 185, 252)  
}
```

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(145, 185, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 185, 252) }
```

Border

The CSS property to change the border of an element to Yxy 47.7459, 0.2412, 0.2471 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(145, 185, 252) }
```

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

```
.border{ border-color:rgb(145, 185, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 185, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 185, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 185, 252);  
box-shadow:4px 4px 4px 4px rgb(145, 185,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7459, 0.2412, 0.2471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 185, 252) }
```

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

```
.background{ background-color: rgb(145,  
185, 252) }
```

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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