

Converting Colors

$Y_{xy}(51.0129, 0.2280, 0.2016)$

Have a look what the booklet for
Yxy(51.0129, 0.2280, 0.2016)
contains.

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Color

Yxy(47.6490, 0.2495, 0.2403)

Conversions

Conversions Part 1

Format	Color
Hex	A3B4FF
RGB	163, 180, 255
RGB Percent	64%, 71%, 100%
CMY	0.3607, 0.2941, 0.0001
CMYK	0.36, 0.29, 0.00, 0.00
HSL	229°, 100%, 82%
HSV	229°, 36%, 100%
XYZ	49.4733, 47.6490, 101.1674
YIQ	183.4670, -34.2070, 19.7210

Conversions

Conversions Part 2

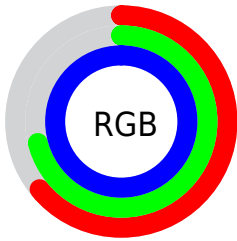
Format	Color
RYB	163, 177, 255
Decimal	10728703
CIELab	74.60, 11.67, -38.95
CIELCh	75, 40.660, 286.686
Yxy	47.6490, 0.2495, 0.2403
Android (android.graphics.Color)	4288918783 (0xFFA3B4FF)
YUV	183.4670, 35.2658, -17.9496
Hunter-Lab	69.0283, 7.1334, -38.5753

Details

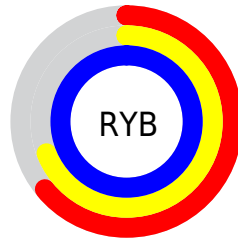
The Yxy color **47.6490, 0.2495, 0.2403** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **85.0360, 0.3727, 0.4042**, and the grayscale version is **47.4425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4265, 0.2911, 0.3094**, and **22.4441, 0.2329, 0.2181** is the 20% darker color. If you saturate the color by 10%, you get **37.4518, 0.2297, 0.2104**, and if you desaturate by 10%, it is **59.6509, 0.2687, 0.2683**.

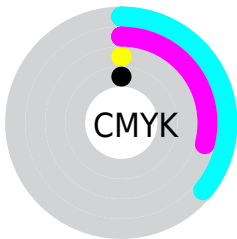
Distribution



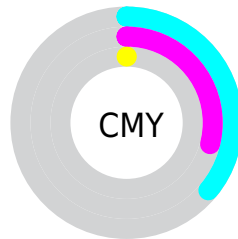
- Red (64%)
- Green (71%)
- Blue (100%)



- Red (64%)
- Yellow (69%)
- Blue (100%)



- Cyan (36%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)





- Cyan (36%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6490, 0.2495, 0.2403 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 47.6490, 0.2495, 0.2403 by changing the saturation by 10% instead.

 47.6490, 0.2495,
0.2403


 47.6490, 0.2495,
0.2403

377.3992, 0.2804,
0.2821

 33.5490, 0.2421,
0.2307


 86.6816, 0.2605,
0.2549

 22.5474, 0.2329,
0.2189


 112.3829, 0.2647,
0.2605

 14.2596, 0.2211,
0.2041


142.7202, 0.2683,
0.2654

 8.3015, 0.2056,
0.1850

178.0778, 0.2714,
0.2696

 4.2885, 0.1843,
0.1598

218.8401, 0.2741,
0.2733

 1.8362, 0.1543,
0.1259

265.3915, 0.2764,

 0.5096, 0.1115,

0.2766

0.0739

318.1164, 0.2785,
0.2795

0.0000, 0.0000,
0.0000

47.6490, 0.2495,
0.2403

47.6490, 0.2495,
0.2403

37.4518, 0.2297,
0.2104

59.6509, 0.2687,
0.2683

28.9653, 0.2101,
0.1797

73.5344, 0.2868,
0.2938

22.0949, 0.1919,
0.1495

89.3787, 0.3034,
0.3165

16.7342, 0.1762,
0.1217

99.9978, 0.3127,
0.3290

12.7634, 0.1642,
0.0982

■ 10.0421, 0.1563,
0.0803

■ 9.2588, 0.1541,
0.0749

Harmonies

Analogous

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



47.6490, 0.2194, 0.2483



47.6490, 0.2495, 0.2403



47.6490, 0.2984, 0.2522

Triad

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



47.6490, 0.2495, 0.2403



47.6490, 0.4253, 0.3638



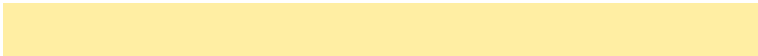
47.6490, 0.2659, 0.3854

Complementary

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



47.6490, 0.2495, 0.2403



85.0360, 0.3727, 0.4042

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.



47.6490, 0.3188, 0.4248



47.6490, 0.2495, 0.2403



47.6490, 0.4125, 0.4042

Square

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



47.6490, 0.2495, 0.2403



47.6490, 0.4043, 0.3198



47.6490, 0.3727, 0.4295



47.6490, 0.2277, 0.3284

Rectangle

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



47.6490, 0.2495, 0.2403



47.6490, 0.3368, 0.2695



47.6490, 0.3727, 0.4295



47.6490, 0.2825, 0.4018

Sweetspot

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



47.6508, 0.2495, 0.2403



81.3302, 0.2954, 0.3056



85.3762, 0.2705, 0.3495



16.9517, 0.2931, 0.3025



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.



47.6508, 0.2495, 0.2403



40.4009, 0.2358, 0.2197



44.4441, 0.2662, 0.2252



17.9204, 0.2979, 0.3090



4.9942, 0.1547, 0.0769



0.6249, 0.1598, 0.0954

Inverse Universe

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



50.7503, 0.3839, 0.3114



44.3567, 0.4046, 0.3080



90.5360, 0.3483, 0.4252



18.0419, 0.3265, 0.3246



11.2321, 0.6119, 0.3144



1.1076, 0.5829, 0.2985

Previews

White Background



This preview shows how the Yxy color 47.6490, 0.2495, 0.2403 looks on a white background.

Color Contrast Check

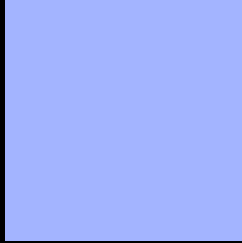
Large Text (above 18pt) WCAG AA × Fail

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 47.6490, 0.2495, 0.2403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

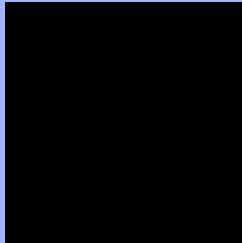
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.6490, 0.2495, 0.2403

Background



This preview shows how black text looks on a background with the Yxy color 47.6490, 0.2495, 0.2403.



This preview shows how white text looks on a background with the Yxy color 47.6490, 0.2495, 0.2403.

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

47.6490, 0.2495, 0.2403

Protanopia

47.8448, 0.2484, 0.2412

Deuteranopia

47.6387, 0.2472, 0.2409



Tritanopia

47.8140, 0.2726, 0.3089

Trichromacy



Original Color

47.6490, 0.2495, 0.2403

Protanomaly

47.9491, 0.2490, 0.2413

Deuteranomaly

47.7413, 0.2478, 0.2411

Tritanomaly

47.4141, 0.2636, 0.2815

Monochromacy



Original Color

47.6490, 0.2495, 0.2403

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.2895, 0.2876, 0.2947

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6490, 0.2495, 0.2403 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(163, 180, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 180, 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(163, 180, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 180, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.6490, 0.2495, 0.2403 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(163, 180, 255) }
```

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

```
.border{ border-color:rgb(163, 180, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 180, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 180, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 180, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 180,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6490, 0.2495, 0.2403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 180, 255) }
```

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

```
.background{ background-color: rgb(163,  
180, 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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