

Converting Colors

$Y_{xy}(48.8533, 0.2466, 0.2370)$

Have a look what the booklet for
Yxy(48.8533, 0.2466, 0.2370)
contains.

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Color

Yxy(48.4624, 0.2498, 0.2427)

Conversions

Conversions Part 1

Format	Color
Hex	A3B6FF
RGB	163, 182, 255
RGB Percent	64%, 71%, 100%
CMY	0.3608, 0.2862, 0.0000
CMYK	0.36, 0.29, 0.00, 0.00
HSL	228°, 100%, 82%
HSV	228°, 36%, 100%
XYZ	49.8801, 48.4624, 101.3377
YIQ	184.6410, -34.7570, 18.6750

Conversions

Conversions Part 2

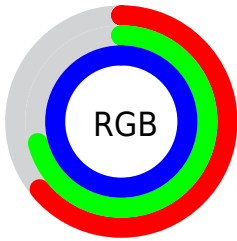
Format	Color
R_{YB}	163, 179, 255
Decimal	10729215
CIE _{Lab}	75.12, 10.56, -38.17
CIE _{LCh}	75, 39.608, 285.470
Yxy	48.4624, 0.2498, 0.2427
Android (android.graphics.Color)	4288919295 (0xFFA3B6FF)
YUV	184.6410, 34.6870, -18.9792
Hunter-Lab	69.6149, 6.0717, -37.5774

Details

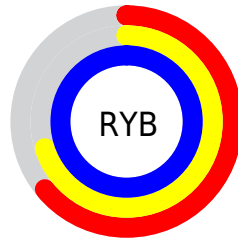
The Yxy color **48.4624, 0.2498, 0.2427** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.8824, 0.3734, 0.4024**, and the grayscale version is **48.1239, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5847, 0.2912, 0.3115**, and **22.9659, 0.2335, 0.2213** is the 20% darker color. If you saturate the color by 10%, you get **38.3422, 0.2302, 0.2136**, and if you desaturate by 10%, it is **60.3249, 0.2688, 0.2699**.

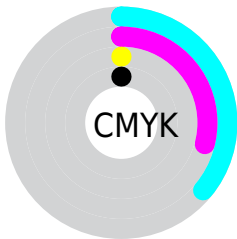
Distribution



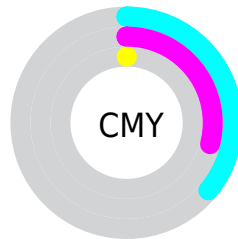
- Red (64%)
- Green (71%)
- Blue (100%)



- Red (64%)
- Yellow (70%)
- 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 48.4624, 0.2498, 0.2427 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 48.4624, 0.2498, 0.2427 by changing the saturation by 10% instead.


 48.4624, 0.2498,
0.2427

 48.4624, 0.2498,
0.2427


380.6221, 0.2805,
0.2834

 34.1932, 0.2425,
0.2334


 87.8925, 0.2607,
0.2569

 23.0421, 0.2334,
0.2219


 113.8222, 0.2648,
0.2624

 14.6246, 0.2218,
0.2074


144.4074, 0.2684,
0.2671

 8.5563, 0.2064,
0.1887

180.0328, 0.2715,
0.2712

 4.4529, 0.1855,
0.1640

221.0825, 0.2741,
0.2748

 1.9300, 0.1559,
0.1307

267.9410, 0.2765,


 0.5663, 0.1136,

0.2780


0.0808


320.9927, 0.2786,
0.2809

 0.0000, 0.0000,
0.0000

 48.4624, 0.2498,
0.2427

 48.4624, 0.2498,
0.2427

 38.3422, 0.2302,
0.2136


 60.3249, 0.2688,
0.2699

 29.8761, 0.2109,
0.1835

 74.0035, 0.2868,
0.2947

 22.9745, 0.1930,
0.1539

 89.5729, 0.3034,
0.3168

 17.5370, 0.1774,
0.1263

100.0000, 0.3127,
0.3290

 13.4506, 0.1653,
0.1025

■ 10.5831, 0.1573,
0.0840

■ 9.7402, 0.1551,
0.0782

Harmonies

Analogous

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



48.4624, 0.2213, 0.2515



48.4624, 0.2498, 0.2427



48.4624, 0.2967, 0.2535

Triad

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



48.4624, 0.2498, 0.2427



48.4624, 0.4216, 0.3613



48.4624, 0.2693, 0.3856

Complementary

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



48.4624, 0.2498, 0.2427



83.8824, 0.3734, 0.4024

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.



48.4624, 0.3210, 0.4224



48.4624, 0.2498, 0.2427



48.4624, 0.4106, 0.4008

Square

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



48.4624, 0.2498, 0.2427



48.4624, 0.3999, 0.3186



48.4624, 0.3730, 0.4259



48.4624, 0.2314, 0.3308

Rectangle

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



48.4624, 0.2498, 0.2427



48.4624, 0.3339, 0.2699



48.4624, 0.3730, 0.4259



48.4624, 0.2856, 0.4010

Sweetspot

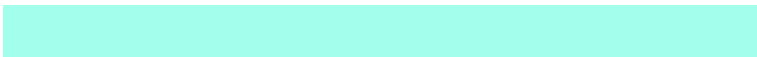
The Sweet Spot groups the original color and five complimentary colors.



48.4638, 0.2498, 0.2427



81.6783, 0.2954, 0.3063



85.3069, 0.2713, 0.3513



17.0341, 0.2932, 0.3033



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.



48.4638, 0.2498, 0.2427



41.2832, 0.2363, 0.2227



44.2353, 0.2650, 0.2248



17.9859, 0.2979, 0.3096



5.2591, 0.1557, 0.0805



0.6598, 0.1611, 0.0998

Inverse Universe

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



50.8270, 0.3819, 0.3092



44.4457, 0.4020, 0.3055



90.8102, 0.3494, 0.4249



18.0485, 0.3262, 0.3241



11.2589, 0.6062, 0.3113



1.1111, 0.5761, 0.2947

Previews

White Background



This preview shows how the Yxy color 48.4624, 0.2498, 0.2427 looks on a white background.

Color Contrast Check

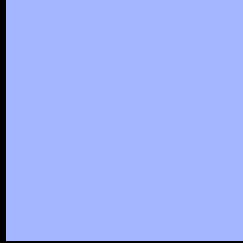
Large Text (above 18pt) WCAG AA × Fail

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 48.4624, 0.2498, 0.2427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

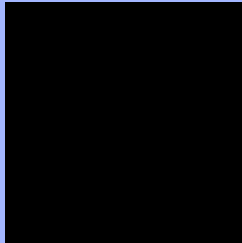
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.4624, 0.2498, 0.2427

Background



This preview shows how black text looks on a background with the Yxy color 48.4624, 0.2498, 0.2427.



This preview shows how white text looks on a background with the Yxy color 48.4624, 0.2498, 0.2427.

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

48.4624, 0.2498, 0.2427

Protanopia

48.4624, 0.2498, 0.2427

Deuteranopia

48.3573, 0.2492, 0.2426



Tritanopia

48.4420, 0.2722, 0.3077

Trichromacy



Original Color

48.4624, 0.2498, 0.2427

Protanomaly

48.4624, 0.2498, 0.2427

Deuteranomaly

48.3573, 0.2492, 0.2426

Tritanomaly

48.4162, 0.2639, 0.2831

Monochromacy



Original Color

48.4624, 0.2498, 0.2427

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.2812, 0.2877, 0.2962

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4624, 0.2498, 0.2427 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, 182, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 182, 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, 182, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 182, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.4624, 0.2498, 0.2427 is called "border". The border property can be set on classes, ids or directly on the HTML element.

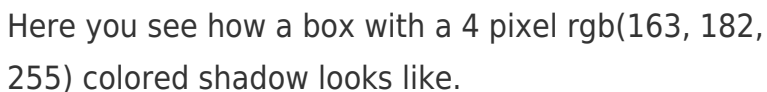
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(163, 182, 255) }
```

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

```
.border{ border-color:rgb(163, 182, 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, 182, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 182, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 182, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 182,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4624, 0.2498, 0.2427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 182, 255) }
```

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

```
.background{ background-color: rgb(163,  
182, 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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