

Converting Colors

$Y_{xy}(50.4926, 0.2516, 0.2459)$

Have a look what the booklet for
Yxy(50.4926, 0.2516, 0.2459)
contains.

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Color

Yxy(50.4448, 0.2524, 0.2480)

Conversions

Conversions Part 1

Format	Color
Hex	A6BAFF
RGB	166, 186, 255
RGB Percent	65%, 73%, 100%
CMY	0.3488, 0.2706, 0.0001
CMYK	0.35, 0.27, 0.00, 0.00
HSL	227°, 100%, 83%
HSV	227°, 35%, 100%
XYZ	51.3398, 50.4448, 101.6219
YIQ	187.8860, -34.0690, 17.2190

Conversions

Conversions Part 2

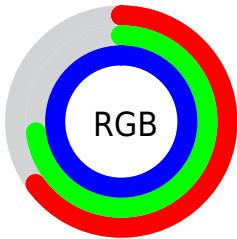
Format	Color
R _Y B	166, 182, 255
Decimal	10926847
CIE Lab	76.34, 9.18, -36.24
CIE LCh	76, 37.386, 284.210
Yxy	50.4448, 0.2524, 0.2480
Android (android.graphics.Color)	4289116927 (0xFFA6BAFF)
YUV	187.8860, 33.0872, -19.1940
Hunter-Lab	71.0245, 4.7352, -35.1150

Details

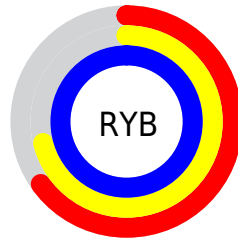
The Yxy color **50.4448, 0.2524, 0.2480** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.4509, 0.3717, 0.3985**, and the grayscale version is **50.0501, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4122, 0.2931, 0.3157**, and **24.2318, 0.2368, 0.2283** is the 20% darker color. If you saturate the color by 10%, you get **40.1927, 0.2330, 0.2197**, and if you desaturate by 10%, it is **62.4007, 0.2712, 0.2743**.

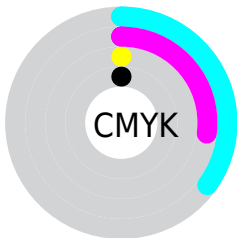
Distribution



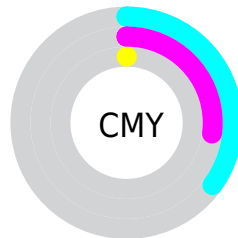
- Red (65%)
- Green (73%)
- Blue (100%)



- Red (65%)
- Yellow (71%)
- Blue (100%)



- Cyan (35%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.4448, 0.2524, 0.2480 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 50.4448, 0.2524, 0.2480 by changing the saturation by 10% instead.

■ 50.4448, 0.2524,
0.2480

■ 50.4448, 0.2524,
0.2480

388.4028, 0.2816,
0.2862

■ 35.7669, 0.2455,
0.2392

■ 90.8336, 0.2627,
0.2613

■ 24.2543, 0.2369,
0.2284

■ 117.3133, 0.2667,
0.2665

■ 15.5223, 0.2258,
0.2148

148.4957, 0.2701,
0.2709

■ 9.1868, 0.2113,
0.1973

184.7653, 0.2730,
0.2747

■ 4.8632, 0.1915,
0.1739

226.5064, 0.2756,
0.2781

■ 2.1672, 0.1634,
0.1420

274.1034, 0.2778,


■ 0.7020, 0.1225,


0.2811


0.0964

327.9408, 0.2798,
0.2838


 0.0000, 0.0000,
0.0000


 50.4448, 0.2524,
0.2480


 50.4448, 0.2524,
0.2480

 40.1927, 0.2330,
0.2197

 62.4007, 0.2712,
0.2743


 31.5590, 0.2139,
0.1903


 76.1289, 0.2889,
0.2982

 24.4596, 0.1959,
0.1610

 91.7007, 0.3053,
0.3195

 18.7996, 0.1801,
0.1332

 99.9988, 0.3127,
0.3290

 14.4729, 0.1676,
0.1088

■ 11.3563, 0.1590,
0.0892

■ 10.1626, 0.1559,
0.0812

Harmonies

Analogous

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



50.4448, 0.2263, 0.2574



50.4448, 0.2524, 0.2480



50.4448, 0.2959, 0.2573

Triad

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



50.4448, 0.2524, 0.2480



50.4448, 0.4139, 0.3581



50.4448, 0.2742, 0.3834

Complementary

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



50.4448, 0.2524, 0.2480



83.4509, 0.3717, 0.3985

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.



50.4448, 0.3229, 0.4163



50.4448, 0.2524, 0.2480



50.4448, 0.4052, 0.3952

Square

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



50.4448, 0.2524, 0.2480



50.4448, 0.3924, 0.3179



50.4448, 0.3711, 0.4188



50.4448, 0.2378, 0.3331

Rectangle

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



50.4448, 0.2524, 0.2480



50.4448, 0.3304, 0.2724



50.4448, 0.3711, 0.4188



50.4448, 0.2897, 0.3973

Sweetspot

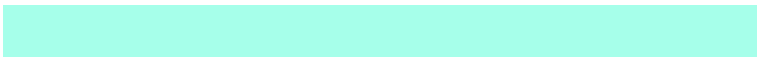
The Sweet Spot groups the original color and five complimentary colors.



50.4467, 0.2524, 0.2480



83.5020, 0.2971, 0.3089



85.5745, 0.2732, 0.3522



17.4091, 0.2947, 0.3059



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.



50.4467, 0.2524, 0.2480



42.9797, 0.2386, 0.2280



45.4275, 0.2658, 0.2284



18.0383, 0.2979, 0.3100



5.4921, 0.1566, 0.0835



0.6894, 0.1621, 0.1035

Inverse Universe

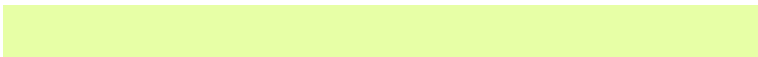
The Inverse Universe completely reimagines the original color for something new.



52.0929, 0.3772, 0.3083



45.3838, 0.3970, 0.3041



91.2964, 0.3492, 0.4213



18.0538, 0.3259, 0.3237



11.2824, 0.6013, 0.3086



1.1141, 0.5706, 0.2917

Previews

White Background



This preview shows how the Yxy color 50.4448, 0.2524, 0.2480 looks on a white background.

Color Contrast Check

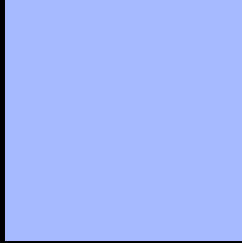
Large Text (above 18pt) WCAG AA × Fail

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 50.4448, 0.2524, 0.2480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

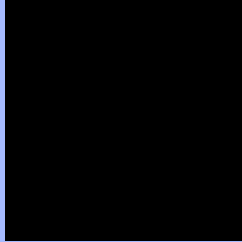
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.4448, 0.2524, 0.2480

Background



This preview shows how black text looks on a background with the Yxy color 50.4448, 0.2524, 0.2480.



This preview shows how white text looks on a background with the Yxy color 50.4448, 0.2524, 0.2480.

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

50.4448, 0.2524, 0.2480

Protanopia

50.6626, 0.2536, 0.2483

Deuteranopia

50.2428, 0.2535, 0.2470



Tritanopia

50.3046, 0.2734, 0.3081

Trichromacy



Original Color

50.4448, 0.2524, 0.2480

Protanomaly

50.5533, 0.2530, 0.2481

Deuteranomaly

50.1334, 0.2528, 0.2469

Tritanomaly

50.2262, 0.2658, 0.2850

Monochromacy



Original Color

50.4448, 0.2524, 0.2480

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

49.9974, 0.2888, 0.2979

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.4448, 0.2524, 0.2480 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(166, 186, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 186, 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(166, 186, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 186, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.4448, 0.2524, 0.2480 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(166, 186, 255) }
```

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

```
.border{ border-color:rgb(166, 186, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 186, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 186, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 186, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 186,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.4448, 0.2524, 0.2480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 186, 255) }
```

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

```
.background{ background-color: rgb(166,  
186, 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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