

Converting Colors

$Yxy(48.7684, 0.2494, 0.2438)$

Have a look what the booklet for
Yxy(48.7684, 0.2494, 0.2438)
contains.

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Color

Yxy(48.7684, 0.2494, 0.2438)

Conversions

Conversions Part 1

Format	Color
Hex	A2B7FF
RGB	162, 183, 255
RGB Percent	64%, 72%, 100%
CMY	0.3645, 0.2824, 0.0001
CMYK	0.36, 0.28, 0.00, 0.00
HSL	226°, 100%, 82%
HSV	226°, 36%, 100%
XYZ	49.8886, 48.7684, 101.3775
YIQ	184.9290, -35.6280, 17.9400

Conversions

Conversions Part 2

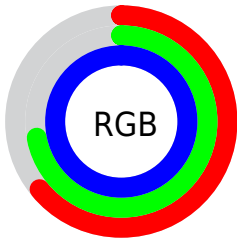
Format	Color
R_{YB}	162, 179, 255
Decimal	10663935
CIE _{Lab}	75.31, 9.76, -37.87
CIE _{LCh}	75, 39.107, 284.456
Yxy	48.7684, 0.2494, 0.2438
Android (android.graphics.Color)	4288854015 (0xFFA2B7FF)
YUV	184.9290, 34.5450, -20.1087
Hunter-Lab	69.8344, 5.3075, -37.1863

Details

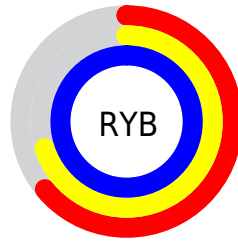
The Yxy color **48.7684, 0.2494, 0.2438** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.7360, 0.3747, 0.4016**, and the grayscale version is **48.2988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0131, 0.2906, 0.3125**, and **23.1683, 0.2330, 0.2227** is the 20% darker color. If you saturate the color by 10%, you get **38.7801, 0.2300, 0.2153**, and if you desaturate by 10%, it is **60.4452, 0.2683, 0.2704**.

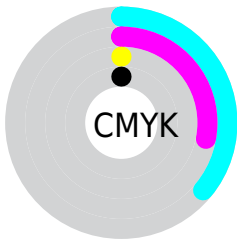
Distribution



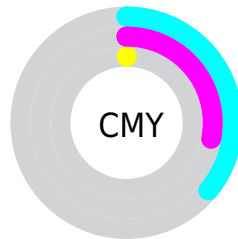
- Red (64%)
- Green (72%)
- Blue (100%)



- Red (64%)
- Yellow (70%)
- Blue (100%)



- Cyan (36%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)




- Cyan (36%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.7684, 0.2494, 0.2438 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 48.7684, 0.2494, 0.2438 by changing the saturation by 10% instead.


 48.7684, 0.2494,
0.2438


 48.7684, 0.2494,
0.2438

381.8298, 0.2802,
0.2840

 34.4358, 0.2421,
0.2346


 88.3474, 0.2603,
0.2578

 23.2286, 0.2330,
0.2232


 114.3625, 0.2645,
0.2633

 14.7624, 0.2213,
0.2088


145.0407, 0.2681,
0.2679

 8.6528, 0.2060,
0.1904

180.7662, 0.2712,
0.2720

 4.5154, 0.1850,
0.1659

221.9235, 0.2739,
0.2756

 1.9659, 0.1555,
0.1327

268.8969, 0.2762,

 0.5875, 0.1132,

0.2787

0.0835

322.0709, 0.2783,
0.2815

■ 0.0000, 0.0000,
0.0000

■ 48.7684, 0.2494,
0.2438

■ 48.7684, 0.2494,
0.2438

■ 38.7801, 0.2300,
0.2153

■ 60.4452, 0.2683,
0.2704

■ 30.3944, 0.2110,
0.1858

■ 73.8798, 0.2862,
0.2947

■ 23.5262, 0.1933,
0.1567

■ 89.1440, 0.3028,
0.3164

■ 18.0793, 0.1780,
0.1294

■ 99.9990, 0.3127,
0.3290

■ 13.9457, 0.1660,
0.1057

■ 10.9989, 0.1580,
0.0868

■ 10.1914, 0.1559,
0.0814

Harmonies

Analogous

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



48.7684, 0.2220, 0.2532



48.7684, 0.2494, 0.2438



48.7684, 0.2952, 0.2538

Triad

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



48.7684, 0.2494, 0.2438



48.7684, 0.4198, 0.3596



48.7684, 0.2715, 0.3863

Complementary

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



48.7684, 0.2494, 0.2438



82.7360, 0.3747, 0.4016

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.



48.7684, 0.3228, 0.4216



48.7684, 0.2494, 0.2438



48.7684, 0.4101, 0.3988

Square

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



48.7684, 0.2494, 0.2438



48.7684, 0.3974, 0.3174



48.7684, 0.3738, 0.4240



48.7684, 0.2334, 0.3327

Rectangle

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



48.7684, 0.2494, 0.2438



48.7684, 0.3317, 0.2697



48.7684, 0.3738, 0.4240



48.7684, 0.2877, 0.4013

Sweetspot

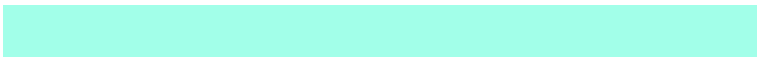
The Sweet Spot groups the original color and five complimentary colors.



48.7703, 0.2494, 0.2438



81.9744, 0.2954, 0.3068



85.0970, 0.2717, 0.3534



17.1042, 0.2932, 0.3039



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.



48.7703, 0.2494, 0.2438



41.0788, 0.2348, 0.2224



43.6210, 0.2633, 0.2233



18.0416, 0.2979, 0.3100



5.5077, 0.1566, 0.0838



0.6914, 0.1622, 0.1038

Inverse Universe

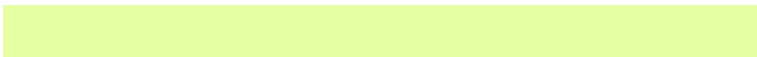
The Inverse Universe completely reimagines the original color for something new.



50.5340, 0.3812, 0.3072



43.6753, 0.4029, 0.3028



90.9768, 0.3507, 0.4256



18.0541, 0.3259, 0.3237



11.2840, 0.6010, 0.3084



1.1143, 0.5702, 0.2915

Previews

White Background



This preview shows how the Yxy color 48.7684, 0.2494, 0.2438 looks on a white background.

Color Contrast Check

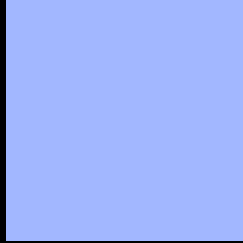
Large Text (above 18pt) WCAG AA × Fail

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 48.7684, 0.2494, 0.2438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

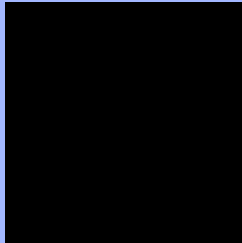
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.7684, 0.2494, 0.2438

Background



This preview shows how black text looks on a background with the Yxy color 48.7684, 0.2494, 0.2438.



This preview shows how white text looks on a background with the Yxy color 48.7684, 0.2494, 0.2438.

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

48.7684, 0.2494, 0.2438

Protanopia

48.9795, 0.2506, 0.2441

Deuteranopia

48.8735, 0.2500, 0.2439



Tritanopia

48.7836, 0.2716, 0.3091

Trichromacy



Original Color

48.7684, 0.2494, 0.2438

Protanomaly

48.8735, 0.2500, 0.2439

Deuteranomaly

48.8735, 0.2500, 0.2439

Tritanomaly

48.7456, 0.2634, 0.2843

Monochromacy



Original Color

48.7684, 0.2494, 0.2438

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 48.7684, 0.2494, 0.2438 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(162, 183, 255)` looks like.

```
.text, #text, p{  
    color:rgb(162, 183, 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(162, 183, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 183, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.7684, 0.2494, 0.2438 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(162, 183, 255) }
```

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

```
.border{ border-color:rgb(162, 183, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 183, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 183, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 183, 255);  
box-shadow:4px 4px 4px 4px rgb(162, 183,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7684, 0.2494, 0.2438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 183, 255) }
```

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

```
.background{ background-color: rgb(162,  
183, 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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