

Converting Colors

$Yxy(48.4681, 0.2591, 0.2503)$

Have a look what the booklet for
Yxy(48.4681, 0.2591, 0.2503)
contains.

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Color

Yxy(48.4211, 0.2593, 0.2506)

Conversions

Conversions Part 1

Format	Color
Hex	ABB5F7
RGB	171, 181, 247
RGB Percent	67%, 71%, 97%
CMY	0.3295, 0.2902, 0.0314
CMYK	0.31, 0.27, 0.00, 0.03
HSL	232°, 83%, 82%
HSV	232°, 31%, 97%
XYZ	50.1021, 48.4211, 94.6975
YIQ	185.5340, -27.1460, 18.4060

Conversions

Conversions Part 2

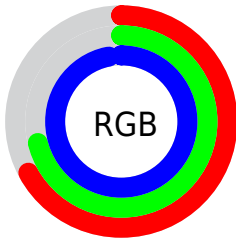
Format	Color
RYB	171, 180, 247
Decimal	11253239
CIELab	75.09, 11.27, -33.86
CIElCh	75, 35.684, 288.417
Yxy	48.4211, 0.2593, 0.2506
Android (android.graphics.Color)	4289443319 (0xFFABB5F7)
YUV	185.5340, 30.3027, -12.7463
Hunter-Lab	69.5853, 6.7476, -31.9771

Details

The Yxy color **48.4211, 0.2593, 0.2506** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.2591, 0.3621, 0.3968**, and the grayscale version is **48.6670, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2824, 0.2961, 0.3107**, and **22.9380, 0.2456, 0.2314** is the 20% darker color. If you saturate the color by 10%, you get **37.8452, 0.2392, 0.2198**, and if you desaturate by 10%, it is **60.8606, 0.2783, 0.2791**.

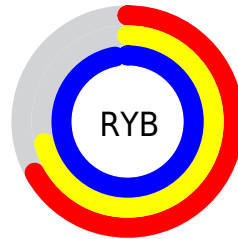
Distribution



Red (67%)

Green (71%)

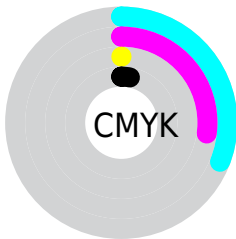
Blue (97%)



Red (67%)

Yellow (71%)

Blue (97%)

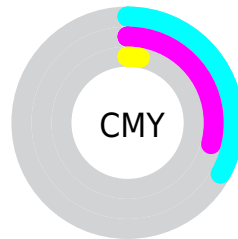


Cyan (31%)

Magenta (27%)

Yellow (0%)

Black (3%)



Cyan (33%)

Magenta (29%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4211, 0.2593, 0.2506 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 48.4211, 0.2593, 0.2506 by changing the saturation by 10% instead.

■ 48.4211, 0.2593,
0.2506

■ 48.4211, 0.2593,
0.2506

380.4588, 0.2855,
0.2878

■ 34.1605, 0.2530,
0.2420

■ 87.8310, 0.2687,
0.2636

■ 23.0169, 0.2451,
0.2313

113.7492, 0.2722,
0.2686

■ 14.6060, 0.2348,
0.2178

144.3219, 0.2753,
0.2730

■ 8.5433, 0.2211,
0.2003

179.9337, 0.2779,
0.2767

■ 4.4445, 0.2021,
0.1767

220.9689, 0.2802,
0.2800

■ 1.9252, 0.1745,
0.1441

267.8119, 0.2822,

■ 0.5635, 0.1332,

0.2829

0.0926

320.8471, 0.2840,
0.2855

■ 0.0000, 0.0000,
0.0000

■ 48.4211, 0.2593,
0.2506

■ 48.4211, 0.2593,
0.2506

■ 37.8452, 0.2392,
0.2198

■ 60.8606, 0.2783,
0.2791

■ 29.0372, 0.2189,
0.1877

■ 75.2419, 0.2958,
0.3047

■ 21.9012, 0.1993,
0.1557

■ 91.6456, 0.3116,
0.3274

■ 16.3301, 0.1817,
0.1258

■ 99.4952, 0.3173,
0.3367

■ 12.2039, 0.1675,
0.1001

■ 9.3844, 0.1576,
0.0805

■ 7.7810, 0.1524,
0.0684

Harmonies

Analogous

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



48.4211, 0.2313, 0.2571



48.4211, 0.2593, 0.2506



48.4211, 0.3033, 0.2620

Triad

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



48.4211, 0.2593, 0.2506



48.4211, 0.4112, 0.3629



48.4211, 0.2696, 0.3752

Complementary

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



48.4211, 0.2593, 0.2506



83.2591, 0.3621, 0.3968

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.



48.4211, 0.3159, 0.4105



48.4211, 0.2593, 0.2506



48.4211, 0.3990, 0.3976

Square

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



48.4211, 0.2593, 0.2506



48.4211, 0.3944, 0.3237



48.4211, 0.3634, 0.4173



48.4211, 0.2365, 0.3262

Rectangle

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



48.4211, 0.2593, 0.2506



48.4211, 0.3370, 0.2780



48.4211, 0.3634, 0.4173



48.4211, 0.2841, 0.3895

Sweetspot

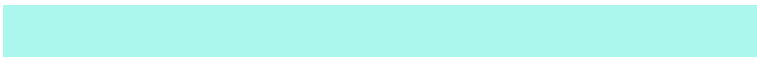
The Sweet Spot groups the original color and five complimentary colors.



48.4230, 0.2593, 0.2506



83.8463, 0.2987, 0.3089



81.2809, 0.2734, 0.3403



17.4237, 0.2963, 0.3054



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.



48.4230, 0.2593, 0.2506



44.6879, 0.2468, 0.2315



47.9540, 0.2782, 0.2432



16.2792, 0.2979, 0.3078



4.2287, 0.1528, 0.0701



0.4802, 0.1577, 0.0876

Inverse Universe

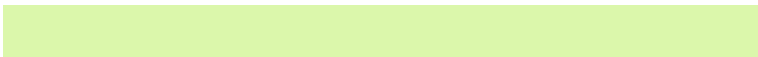
The Inverse Universe completely reimagines the original color for something new.



52.2273, 0.3734, 0.3183



49.6487, 0.3914, 0.3161



84.5378, 0.3399, 0.4113



16.5181, 0.3273, 0.3259



10.5263, 0.6231, 0.3206



0.9361, 0.5949, 0.3051

Previews

White Background



This preview shows how the Yxy color 48.4211, 0.2593, 0.2506 looks on a white background.

Color Contrast Check

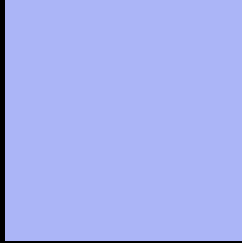
Large Text (above 18pt) WCAG AA × Fail

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 48.4211, 0.2593, 0.2506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

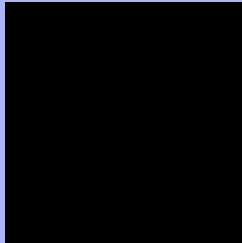
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.4211, 0.2593, 0.2506

Background



This preview shows how black text looks on a background with the Yxy color 48.4211, 0.2593, 0.2506.



This preview shows how white text looks on a background with the Yxy color 48.4211, 0.2593, 0.2506.

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

48.4211, 0.2593, 0.2506

Protanopia

48.3402, 0.2556, 0.2501

Deuteranopia

48.4961, 0.2575, 0.2514



Tritanopia

48.4362, 0.2810, 0.3093

Trichromacy



Original Color

48.4211, 0.2593, 0.2506

Protanomaly

48.5580, 0.2569, 0.2504

Deuteranomaly

48.6063, 0.2581, 0.2515

Tritanomaly

48.2845, 0.2723, 0.2859

Monochromacy



Original Color

48.4211, 0.2593, 0.2506

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.6588, 0.2923, 0.2989

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4211, 0.2593, 0.2506 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(171, 181, 247)` looks like.

```
.text, #text, p{  
    color:rgb(171, 181, 247)  
}
```

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(171, 181, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 181, 247) }
```

Border

The CSS property to change the border of an element to Yxy 48.4211, 0.2593, 0.2506 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(171, 181, 247) }
```

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

```
.border{ border-color:rgb(171, 181, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 181, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 181, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 181, 247);  
box-shadow:4px 4px 4px 4px rgb(171, 181,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4211, 0.2593, 0.2506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 181, 247) }
```

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

```
.background{ background-color: rgb(171,  
181, 247) }
```

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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