

Converting Colors

$Y_{xy}(48.7530, 0.2719, 0.2532)$

Have a look what the booklet for
Yxy(48.7530, 0.2719, 0.2532)
contains.

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Color

Yxy(48.7510, 0.2719, 0.2532)

Conversions

Conversions Part 1

Format	Color
Hex	BAB2F3
RGB	186, 178, 243
RGB Percent	73%, 70%, 95%
CMY	0.2705, 0.3020, 0.0471
CMYK	0.23, 0.27, 0.00, 0.05
HSL	247°, 73%, 83%
HSV	247°, 27%, 95%
XYZ	52.3515, 48.7510, 91.4370
YIQ	187.8020, -16.0970, 21.9110

Conversions

Conversions Part 2

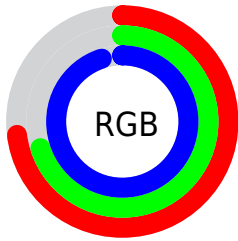
Format	Color
R_{YB}	186, 178, 243
Decimal	12235507
CIE _{Lab}	75.30, 16.34, -31.28
CIE _{LCh}	75, 35.294, 297.579
Yxy	48.7510, 0.2719, 0.2532
Android (android.graphics.Color)	4290425587 (0xFFBAB2F3)
YUV	187.8020, 27.2126, -1.5804
Hunter-Lab	69.8219, 11.6484, -28.7693

Details

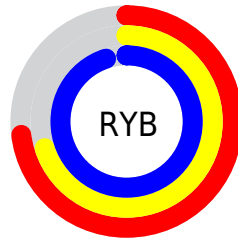
The Yxy color **48.7510, 0.2719, 0.2532** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.9653, 0.3475, 0.3972**, and the grayscale version is **50.0239, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1203, 0.3058, 0.3082**, and **23.1606, 0.2605, 0.2337** is the 20% darker color. If you saturate the color by 10%, you get **37.4529, 0.2533, 0.2199**, and if you desaturate by 10%, it is **62.1630, 0.2888, 0.2841**.

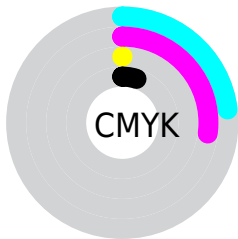
Distribution



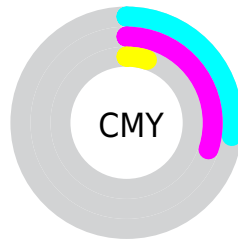
- Red (73%)
- Green (70%)
- Blue (95%)



- Red (73%)
- Yellow (70%)
- Blue (95%)



- Cyan (23%)
- Magenta (27%)
- Yellow (0%)
- Black (5%)



- Cyan (27%)
- Magenta (30%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7510, 0.2719, 0.2532 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 48.7510, 0.2719, 0.2532 by changing the saturation by 10% instead.

■ 48.7510, 0.2719,
0.2532

■ 48.7510, 0.2719,
0.2532

■ 381.7612, 0.2922,
0.2889

■ 34.4220, 0.2669,
0.2450

■ 88.3215, 0.2792,
0.2657

■ 23.2180, 0.2606,
0.2347

■ 114.3318, 0.2820,
0.2705

■ 14.7545, 0.2524,
0.2218

■ 145.0047, 0.2843,
0.2747

■ 8.6473, 0.2413,
0.2050

■ 180.7245, 0.2864,
0.2783

■ 4.5119, 0.2256,
0.1823

■ 221.8757, 0.2881,
0.2814

■ 1.9638, 0.2020,
0.1508

■ 268.8426, 0.2897,


■ 0.5863, 0.1650,


0.2842


0.1006


322.0097, 0.2910,
0.2867


 0.0000, 0.0000,
0.0000

 48.7510, 0.2719,
0.2532


 48.7510, 0.2719,
0.2532

 37.4529, 0.2533,
0.2199


 62.1630, 0.2888,
0.2841


 28.1551, 0.2335,
0.1852


 77.7834, 0.3037,
0.3120

 20.7419, 0.2133,
0.1511

 95.7077, 0.3167,
0.3367

 15.0836, 0.1942,
0.1198

 99.2505, 0.3197,
0.3405

 11.0337, 0.1774,
0.0937

■ 8.4217, 0.1643,
0.0750

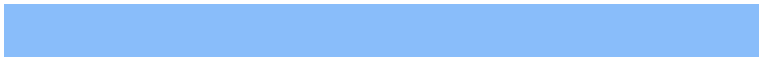
■ 7.0347, 0.1557,
0.0644

■ 6.7471, 0.1538,
0.0621

Harmonies

Analogous

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



48.7510, 0.2387, 0.2540



48.7510, 0.2719, 0.2532



48.7510, 0.3186, 0.2693

Triad

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



48.7510, 0.2719, 0.2532



48.7510, 0.4092, 0.3739



48.7510, 0.2584, 0.3603

Complementary

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



48.7510, 0.2719, 0.2532



84.9653, 0.3475, 0.3972

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.



48.7510, 0.3012, 0.4013



48.7510, 0.2719, 0.2532



48.7510, 0.3892, 0.4048

Square

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



48.7510, 0.2719, 0.2532



48.7510, 0.4013, 0.3356



48.7510, 0.3491, 0.4172



48.7510, 0.2313, 0.3119

Rectangle

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



48.7510, 0.2719, 0.2532



48.7510, 0.3517, 0.2876



48.7510, 0.3491, 0.4172



48.7510, 0.2713, 0.3758

Sweetspot

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



48.7530, 0.2719, 0.2532



84.4333, 0.3019, 0.3086



75.5861, 0.2728, 0.3204



17.4853, 0.2998, 0.3045



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.



48.7530, 0.2719, 0.2532



47.3877, 0.2622, 0.2357



53.2274, 0.2961, 0.2583



16.0248, 0.2998, 0.3047



3.7338, 0.1545, 0.0625



0.3589, 0.1630, 0.0672

Inverse Universe

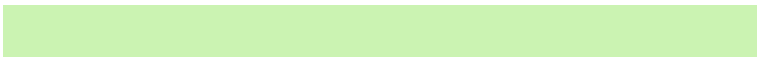
The Inverse Universe completely reimagines the original color for something new.



56.8885, 0.3221, 0.2700



57.8881, 0.3243, 0.2581



79.9943, 0.3253, 0.4023



16.7310, 0.3157, 0.3085



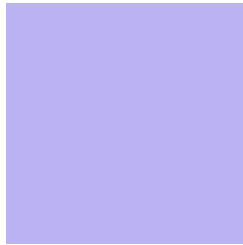
13.1074, 0.3548, 0.1728



1.1617, 0.3499, 0.1701

Previews

White Background



This preview shows how the Yxy color 48.7510, 0.2719, 0.2532 looks on a white background.

Color Contrast Check

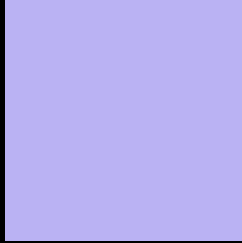
Large Text (above 18pt) WCAG AA × Fail

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 48.7510, 0.2719, 0.2532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

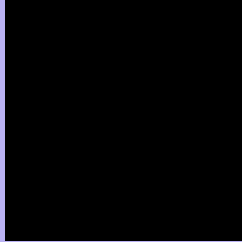
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.7510, 0.2719, 0.2532

Background



This preview shows how black text looks on a background with the Yxy color 48.7510, 0.2719, 0.2532.



This preview shows how white text looks on a background with the Yxy color 48.7510, 0.2719, 0.2532.

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

48.7510, 0.2719, 0.2532

Protanopia

48.9072, 0.2576, 0.2526

Deuteranopia

48.7509, 0.2638, 0.2572



Tritanopia

48.7998, 0.2950, 0.3099

Trichromacy



Original Color

48.7510, 0.2719, 0.2532

Protanomaly

48.8155, 0.2626, 0.2522

Deuteranomaly

48.9235, 0.2671, 0.2567

Tritanomaly

48.6486, 0.2866, 0.2881

Monochromacy



Original Color

48.7510, 0.2719, 0.2532

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

49.3998, 0.2970, 0.2993

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7510, 0.2719, 0.2532 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(186, 178, 243)` looks like.

```
.text, #text, p{  
    color:rgb(186, 178, 243)  
}
```

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(186, 178, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 178, 243) }
```

Border

The CSS property to change the border of an element to Yxy 48.7510, 0.2719, 0.2532 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(186, 178, 243) }
```

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

```
.border{ border-color:rgb(186, 178, 243) }
```

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

Here you see how a box with a 4 pixel rgb(186, 178, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 178, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 178, 243);  
box-shadow:4px 4px 4px 4px rgb(186, 178,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7510, 0.2719, 0.2532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 178, 243) }
```

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

```
.background{ background-color: rgb(186,  
178, 243) }
```

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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