

Converting Colors

$Y_{xy}(48.3405, 0.2739, 0.2513)$

Have a look what the booklet for
Yxy(48.3405, 0.2739, 0.2513)
contains.

Yxy(48.3405, 0.2739, 0.2513)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.3405, 0.2739, 0.2513)

Conversions

Conversions Part 1

Format	Color
Hex	BDB0F3
RGB	189, 176, 243
RGB Percent	74%, 69%, 95%
CMY	0.2588, 0.3098, 0.0471
CMYK	0.22, 0.28, 0.00, 0.05
HSL	252°, 74%, 82%
HSV	252°, 28%, 95%
XYZ	52.6879, 48.3405, 91.3333
YIQ	187.5250, -13.7590, 23.5930

Conversions

Conversions Part 2

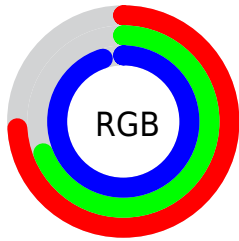
Format	Color
R_{YB}	189, 176, 243
Decimal	12431603
CIE _{Lab}	75.04, 18.32, -31.66
CIE _{LCh}	75, 36.576, 300.065
Yxy	48.3405, 0.2739, 0.2513
Android (android.graphics.Color)	4290621683 (0xFFBDB0F3)
YUV	187.5250, 27.3492, 1.2936
Hunter-Lab	69.5273, 13.5946, -29.2161

Details

The Yxy color $48.3405, 0.2739, 0.2513$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $84.0455, 0.3452, 0.4002$, and the grayscale version is $49.8556, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.5261, 0.3078, 0.3064$, and $22.9047, 0.2630, 0.2313$ is the 20% darker color. If you saturate the color by 10%, you get $37.3136, 0.2565, 0.2185$, and if you desaturate by 10%, it is $61.4146, 0.2896, 0.2820$.

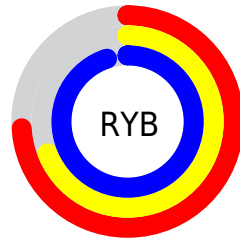
Distribution



Red (74%)

Green (69%)

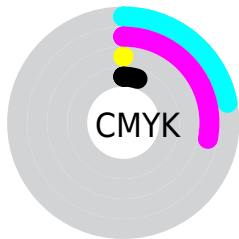
Blue (95%)



Red (74%)

Yellow (69%)

Blue (95%)

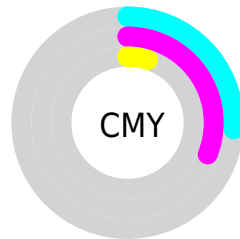


Cyan (22%)

Magenta (28%)

Yellow (0%)

Black (5%)



Cyan (26%)

Magenta (31%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.3405, 0.2739, 0.2513 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 48.3405, 0.2739, 0.2513 by changing the saturation by 10% instead.

■ 48.3405, 0.2739,
0.2513

■ 48.3405, 0.2739,
0.2513

380.1402, 0.2933,
0.2879

■ 34.0966, 0.2691,
0.2429

■ 87.7112, 0.2809,
0.2641

■ 22.9678, 0.2630,
0.2325

113.6067, 0.2836,
0.2690

■ 14.5698, 0.2551,
0.2193

144.1550, 0.2858,
0.2733

■ 8.5180, 0.2443,
0.2022

179.7403, 0.2878,
0.2769

■ 4.4281, 0.2290,
0.1792

220.7471, 0.2894,
0.2802

■ 1.9158, 0.2058,
0.1474

267.5597, 0.2909,

■ 0.5579, 0.1696,

0.2830

0.0960

320.5626, 0.2922,
0.2856

■ 0.0000, 0.0000,
0.0000

■ 48.3405, 0.2739,
0.2513

■ 48.3405, 0.2739,
0.2513

■ 37.3136, 0.2565,
0.2185

■ 61.4146, 0.2896,
0.2820

■ 28.2238, 0.2378,
0.1846

■ 76.6271, 0.3035,
0.3099

■ 20.9591, 0.2187,
0.1514

■ 94.0706, 0.3155,
0.3348

■ 15.3938, 0.2001,
0.1209

■ 99.2500, 0.3197,
0.3405

■ 11.3857, 0.1835,
0.0956

■ 8.7688, 0.1699,
0.0773

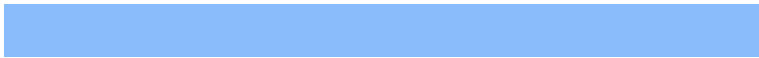
■ 7.3269, 0.1601,
0.0665

■ 7.0784, 0.1583,
0.0645

Harmonies

Analogous

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



48.3405, 0.2382, 0.2505



48.3405, 0.2739, 0.2513



48.3405, 0.3230, 0.2692

Triad

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



48.3405, 0.2739, 0.2513



48.3405, 0.4122, 0.3784



48.3405, 0.2533, 0.3573

Complementary

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



48.3405, 0.2739, 0.2513



84.0455, 0.3452, 0.4002

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.



48.3405, 0.2965, 0.4017



48.3405, 0.2739, 0.2513



48.3405, 0.3892, 0.4096

Square

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



48.3405, 0.2739, 0.2513



48.3405, 0.4066, 0.3390



48.3405, 0.3464, 0.4206



48.3405, 0.2269, 0.3072

Rectangle

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



48.3405, 0.2739, 0.2513



48.3405, 0.3573, 0.2888



48.3405, 0.3464, 0.4206



48.3405, 0.2662, 0.3739

Sweetspot

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



48.3424, 0.2739, 0.2513



84.6821, 0.3029, 0.3087



72.6868, 0.2711, 0.3150



17.5474, 0.3009, 0.3046



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.



48.3424, 0.2739, 0.2513



46.8774, 0.2645, 0.2334



53.0165, 0.2990, 0.2567



16.0815, 0.3009, 0.3047



3.9291, 0.1593, 0.0651



0.3860, 0.1702, 0.0711

Inverse Universe

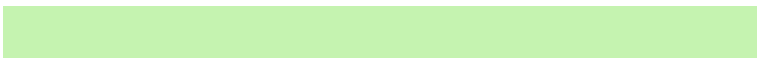
The Inverse Universe completely reimagines the original color for something new.



55.8164, 0.3262, 0.2727



56.5413, 0.3295, 0.2613



79.1250, 0.3227, 0.4055



16.7099, 0.3168, 0.3101



12.6603, 0.3771, 0.1851



1.1265, 0.3687, 0.1805

Previews

White Background



This preview shows how the Yxy color 48.3405, 0.2739, 0.2513 looks on a white background.

Color Contrast Check

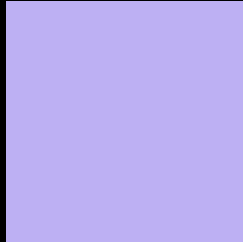
Large Text (above 18pt) WCAG AA × Fail

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 48.3405, 0.2739, 0.2513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

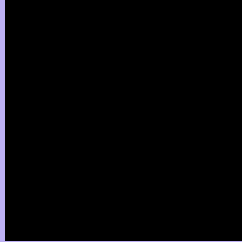
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.3405, 0.2739, 0.2513

Background



This preview shows how black text looks on a background with the Yxy color 48.3405, 0.2739, 0.2513.

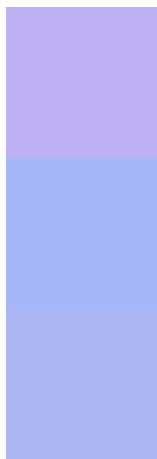


This preview shows how white text looks on a background with the Yxy color 48.3405, 0.2739, 0.2513.

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

48.3405, 0.2739, 0.2513

Protanopia

48.3402, 0.2556, 0.2501

Deuteranopia

48.6374, 0.2631, 0.2571



Tritanopia

48.2283, 0.2988, 0.3099

Trichromacy



Original Color

48.3405, 0.2739, 0.2513

Protanomaly

48.2950, 0.2618, 0.2508

Deuteranomaly

48.5183, 0.2670, 0.2555

Tritanomaly

48.1444, 0.2895, 0.2870

Monochromacy



Original Color

48.3405, 0.2739, 0.2513

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

49.5264, 0.2978, 0.2994

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3405, 0.2739, 0.2513 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(189, 176, 243)` looks like.

```
.text, #text, p{  
    color:rgb(189, 176, 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(189, 176, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 176, 243) }
```

Border

The CSS property to change the border of an element to Yxy 48.3405, 0.2739, 0.2513 is called "border". The border property can be set on classes, ids or directly on the HTML element.

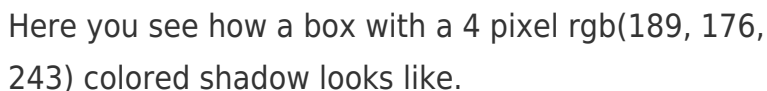
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 176, 243) }
```

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

```
.border{ border-color:rgb(189, 176, 243) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 176, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 176, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 176, 243); box-shadow:4px 4px 4px 4px rgb(189, 176, 243) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3405, 0.2739, 0.2513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 176, 243) }
```

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

```
.background{ background-color: rgb(189,  
176, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor