

Converting Colors

$Yxy(48.5360, 0.2770, 0.2667)$

Have a look what the booklet for
Yxy(48.5360, 0.2770, 0.2667)
contains.

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Color

Yxy(48.5360, 0.2770, 0.2667)

Conversions

Conversions Part 1

Format	Color
Hex	B7B4E8
RGB	183, 180, 232
RGB Percent	72%, 71%, 91%
CMY	0.2824, 0.2941, 0.0903
CMYK	0.21, 0.22, 0.00, 0.09
HSL	243°, 53%, 81%
HSV	243°, 22%, 91%
XYZ	50.4105, 48.5360, 83.0408
YIQ	186.8250, -14.9040, 16.8080

Conversions

Conversions Part 2

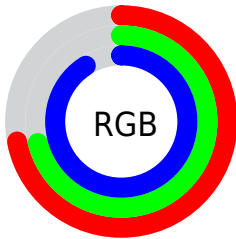
Format	Color
R _Y B	183, 180, 232
Decimal	12039400
CIE Lab	75.16, 11.79, -25.55
CIE LCh	75, 28.142, 294.768
Yxy	48.5360, 0.2770, 0.2667
Android (android.graphics.Color)	4290229480 (0xFFB7B4E8)
YUV	186.8250, 22.2713, -3.3545
Hunter-Lab	69.6678, 7.2411, -21.9035

Details

The Yxy color $48.5360, 0.2770, 0.2667$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $77.6572, 0.3443, 0.3852$, and the grayscale version is $49.4687, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.7362, 0.3038, 0.3101$, and $22.9805, 0.2670, 0.2507$ is the 20% darker color. If you saturate the color by 10%, you get $37.4653, 0.2579, 0.2339$, and if you desaturate by 10%, it is $61.5948, 0.2942, 0.2966$.

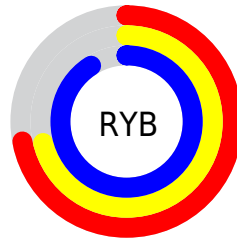
Distribution



Red (72%)

Green (71%)

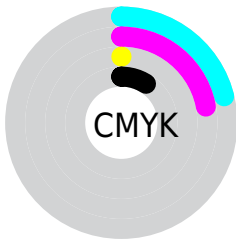
Blue (91%)



Red (72%)

Yellow (71%)

Blue (91%)

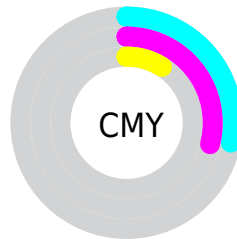


Cyan (21%)

Magenta (22%)

Yellow (0%)

Black (9%)



Cyan (28%)

Magenta (29%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.5360, 0.2770, 0.2667 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 48.5360, 0.2770, 0.2667 by changing the saturation by 10% instead.

■ 48.5360, 0.2770,
0.2667

■ 48.5360, 0.2770,
0.2667

380.9128, 0.2948,
0.2965

■ 34.2515, 0.2726,
0.2597

■ 88.0019, 0.2834,
0.2772

■ 23.0869, 0.2671,
0.2509

113.9522, 0.2858,
0.2812

■ 14.6577, 0.2598,
0.2397

144.5598, 0.2879,
0.2847

■ 8.5795, 0.2499,
0.2249

180.2093, 0.2897,
0.2877

■ 4.4679, 0.2356,
0.2044

221.2849, 0.2912,
0.2903

■ 1.9386, 0.2138,
0.1748

268.1711, 0.2925,

■ 0.5714, 0.1786,

0.2926

0.1228

321.2523, 0.2937,
0.2947

0.0000, 0.0000,
0.0000

48.5360, 0.2770,
0.2667

48.5360, 0.2770,
0.2667

37.4653, 0.2579,
0.2339

61.5948, 0.2942,
0.2966

28.2796, 0.2375,
0.1991

76.7261, 0.3094,
0.3231

20.8755, 0.2165,
0.1639

94.0169, 0.3225,
0.3464

15.1374, 0.1963,
0.1305

98.6051, 0.3262,
0.3513

10.9359, 0.1785,
0.1017

■ 8.1228, 0.1644,
0.0797

■ 6.5203, 0.1552,
0.0661

■ 5.9129, 0.1514,
0.0607

Harmonies

Analogous

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



48.5360, 0.2510, 0.2693



48.5360, 0.2770, 0.2667



48.5360, 0.3140, 0.2786

Triad

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



48.5360, 0.2770, 0.2667



48.5360, 0.3901, 0.3635



48.5360, 0.2721, 0.3574

Complementary

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



48.5360, 0.2770, 0.2667



77.6572, 0.3443, 0.3852

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.



48.5360, 0.3077, 0.3879



48.5360, 0.2770, 0.2667



48.5360, 0.3766, 0.3886

Square

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



48.5360, 0.2770, 0.2667



48.5360, 0.3815, 0.3322



48.5360, 0.3460, 0.3989



48.5360, 0.2482, 0.3195

Rectangle

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



48.5360, 0.2770, 0.2667



48.5360, 0.3405, 0.2931



48.5360, 0.3460, 0.3989



48.5360, 0.2830, 0.3691

Sweetspot

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



48.5380, 0.2770, 0.2667



86.0823, 0.3026, 0.3112



71.7805, 0.2793, 0.3259



18.1814, 0.3017, 0.3096



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.



48.5380, 0.2770, 0.2667



53.3604, 0.2682, 0.2515



51.9684, 0.2966, 0.2701



13.9264, 0.2989, 0.3047



3.3005, 0.1518, 0.0610



0.2579, 0.1569, 0.0638

Inverse Universe

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



55.4570, 0.3176, 0.2764



63.4096, 0.3188, 0.2651



73.7509, 0.3259, 0.3887



14.6002, 0.3147, 0.3071



12.3616, 0.3358, 0.1623



0.9179, 0.3334, 0.1610

Previews

White Background



This preview shows how the Yxy color 48.5360, 0.2770, 0.2667 looks on a white background.

Color Contrast Check

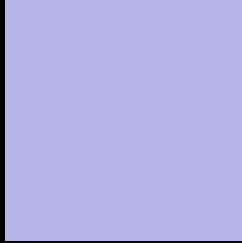
Large Text (above 18pt) WCAG AA × Fail

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 48.5360, 0.2770, 0.2667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

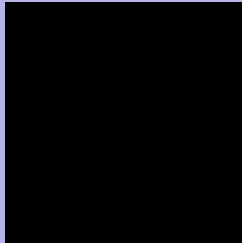
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.5360, 0.2770, 0.2667

Background



This preview shows how black text looks on a background with the Yxy color 48.5360, 0.2770, 0.2667.



This preview shows how white text looks on a background with the Yxy color 48.5360, 0.2770, 0.2667.

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

48.5360, 0.2770, 0.2667

Protanopia

48.5781, 0.2681, 0.2669

Deuteranopia

48.4576, 0.2741, 0.2674



Tritanopia

48.6351, 0.2949, 0.3111

Trichromacy



Original Color

48.5360, 0.2770, 0.2667

Protanomaly

48.5692, 0.2714, 0.2672

Deuteranomaly

48.5772, 0.2749, 0.2675

Tritanomaly

48.6182, 0.2879, 0.2940

Monochromacy



Original Color

48.5360, 0.2770, 0.2667

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.0319, 0.2999, 0.3053

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5360, 0.2770, 0.2667 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(183, 180, 232)` looks like.

```
.text, #text, p{  
    color:rgb(183, 180, 232)  
}
```

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(183, 180, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 180, 232) }
```

Border

The CSS property to change the border of an element to Yxy 48.5360, 0.2770, 0.2667 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(183, 180, 232) }
```

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

```
.border{ border-color:rgb(183, 180, 232) }
```

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

Here you see how a box with a 4 pixel rgb(183, 180, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 180, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 180, 232);  
box-shadow:4px 4px 4px 4px rgb(183, 180,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5360, 0.2770, 0.2667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 180, 232) }
```

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

```
.background{ background-color: rgb(183,  
180, 232) }
```

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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