

Converting Colors

$Yxy(48.7307, 0.2732, 0.2442)$

Have a look what the booklet for
Yxy(48.7307, 0.2732, 0.2442)
contains.

Yxy(48.5810, 0.2735, 0.2439)	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(48.5810, 0.2735, 0.2439)

Conversions

Conversions Part 1

Format	Color
Hex	C2AEF9
RGB	194, 174, 249
RGB Percent	76%, 68%, 98%
CMY	0.2393, 0.3176, 0.0235
CMYK	0.22, 0.30, 0.00, 0.02
HSL	256°, 86%, 83%
HSV	256°, 30%, 98%
XYZ	54.4768, 48.5810, 96.1262
YIQ	188.5300, -12.1550, 27.5650

Conversions

Conversions Part 2

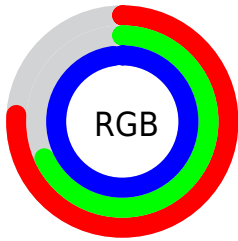
Format	Color
RYB	194, 174, 249
Decimal	12758777
CIELab	75.19, 22.27, -34.64
CIELCh	75, 41.181, 302.739
Yxy	48.5810, 0.2735, 0.2439
Android (android.graphics.Color)	4290948857 (0xFFC2AEF9)
YUV	188.5300, 29.8117, 4.7972
Hunter-Lab	69.7001, 17.5386, -32.9792

Details

The Yxy color **48.5810, 0.2735, 0.2439** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **87.4718, 0.3445, 0.4081**, and the grayscale version is **50.4383, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3229, 0.3112, 0.3046**, and **22.9695, 0.2625, 0.2233** is the 20% darker color. If you saturate the color by 10%, you get **37.5659, 0.2571, 0.2114**, and if you desaturate by 10%, it is **61.6805, 0.2883, 0.2747**.

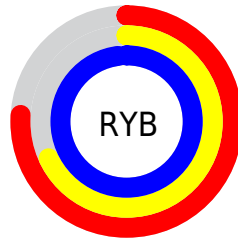
Distribution



Red (76%)

Green (68%)

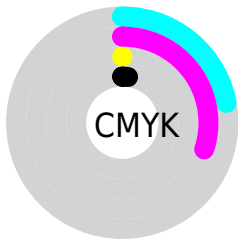
Blue (98%)



Red (76%)

Yellow (68%)

Blue (98%)

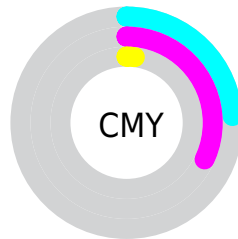


Cyan (22%)

Magenta (30%)

Yellow (0%)

Black (2%)



Cyan (24%)

Magenta (32%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.5810, 0.2735, 0.2439 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 48.5810, 0.2735, 0.2439 by changing the saturation by 10% instead.

■ 48.5810, 0.2735,
0.2439

■ 48.5810, 0.2735,
0.2439

381.0905, 0.2932,
0.2835

■ 34.2872, 0.2686,
0.2349

■ 88.0688, 0.2806,
0.2576

■ 23.1143, 0.2625,
0.2238

114.0317, 0.2833,
0.2630

■ 14.6780, 0.2544,
0.2099

144.6530, 0.2856,
0.2676

■ 8.5937, 0.2435,
0.1920

180.3172, 0.2876,
0.2716

■ 4.4771, 0.2281,
0.1683

221.4086, 0.2893,
0.2751

■ 1.9439, 0.2050,
0.1362

268.3117, 0.2907,

■ 0.5746, 0.1690,

0.2783

0.0871

321.4109, 0.2921,
0.2811

0.0000, 0.0173,
0.0000

0.0000, 0.0000,
0.0000

48.5810, 0.2735,
0.2439

48.5810, 0.2735,
0.2439

37.5659, 0.2571,
0.2114

61.6805, 0.2883,
0.2747

28.5198, 0.2396,
0.1783

76.9599, 0.3013,
0.3031

21.3252, 0.2216,
0.1464

94.5156, 0.3126,
0.3287

15.8490, 0.2040,
0.1178

99.6195, 0.3162,
0.3347

■ 11.9399, 0.1881,
0.0945

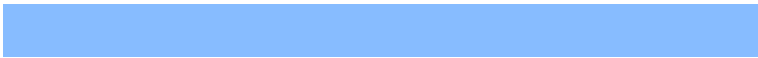
■ 9.4187, 0.1748,
0.0779

■ 8.0071, 0.1648,
0.0681

Harmonies

Analogous

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



48.5810, 0.2324, 0.2409



48.5810, 0.2735, 0.2439



48.5810, 0.3292, 0.2652

Triad

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



48.5810, 0.2735, 0.2439



48.5810, 0.4231, 0.3868



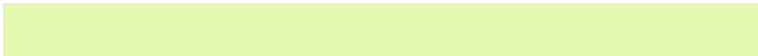
48.5810, 0.2426, 0.3556

Complementary

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



48.5810, 0.2735, 0.2439



87.4718, 0.3445, 0.4081

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.



48.5810, 0.2892, 0.4080



48.5810, 0.2735, 0.2439



48.5810, 0.3943, 0.4211

Square

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



48.5810, 0.2735, 0.2439



48.5810, 0.4204, 0.3433



48.5810, 0.3448, 0.4322



48.5810, 0.2157, 0.2993

Rectangle

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



48.5810, 0.2735, 0.2439



48.5810, 0.3675, 0.2874



48.5810, 0.3448, 0.4322



48.5810, 0.2563, 0.3748

Sweetspot

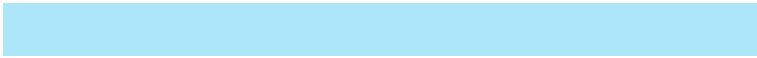
The Sweet Spot groups the original color and five complimentary colors.



48.5830, 0.2735, 0.2439



83.1659, 0.3026, 0.3061



72.5741, 0.2668, 0.3078



17.2582, 0.3009, 0.3021



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.



48.5830, 0.2735, 0.2439



44.1302, 0.2640, 0.2247



53.9822, 0.3013, 0.2504



16.8664, 0.3021, 0.3048



4.3449, 0.1661, 0.0689



0.4518, 0.1780, 0.0754

Inverse Universe

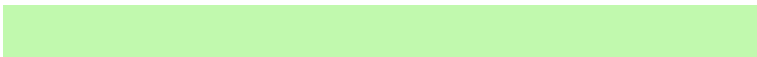
The Inverse Universe completely reimagines the original color for something new.



56.0768, 0.3321, 0.2725



53.2706, 0.3370, 0.2612



82.1130, 0.3203, 0.4145



17.4411, 0.3179, 0.3118



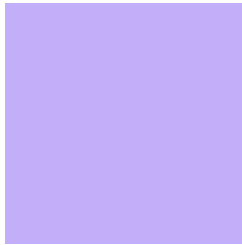
12.6293, 0.4022, 0.1989



1.1872, 0.3903, 0.1924

Previews

White Background



This preview shows how the Yxy color 48.5810, 0.2735, 0.2439 looks on a white background.

Color Contrast Check

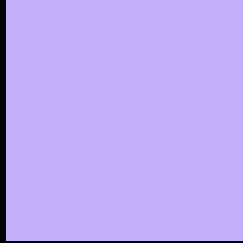
Large Text (above 18pt) WCAG AA × Fail

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 48.5810, 0.2735, 0.2439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

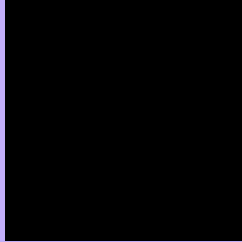
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.5810, 0.2735, 0.2439

Background



This preview shows how black text looks on a background with the Yxy color 48.5810, 0.2735, 0.2439.



This preview shows how white text looks on a background with the Yxy color 48.5810, 0.2735, 0.2439.

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

48.5810, 0.2735, 0.2439

Protanopia

48.9795, 0.2506, 0.2441

Deuteranopia

48.6063, 0.2581, 0.2515



Tritanopia

48.6725, 0.3028, 0.3113

Trichromacy



Original Color

48.5810, 0.2735, 0.2439

Protanomaly

48.8483, 0.2584, 0.2440

Deuteranomaly

48.4825, 0.2632, 0.2482

Tritanomaly

48.3436, 0.2912, 0.2839

Monochromacy



Original Color

48.5810, 0.2735, 0.2439

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.0605, 0.2980, 0.2961

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5810, 0.2735, 0.2439 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(194, 174, 249)` looks like.

```
.text, #text, p{  
    color:rgb(194, 174, 249)  
}
```

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(194, 174, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 174, 249) }
```

Border

The CSS property to change the border of an element to Yxy 48.5810, 0.2735, 0.2439 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(194, 174, 249) }
```

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

```
.border{ border-color:rgb(194, 174, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 174, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(194, 174, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(194, 174, 249); box-shadow:4px 4px 4px 4px rgb(194, 174, 249) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5810, 0.2735, 0.2439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 174, 249) }
```

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

```
.background{ background-color: rgb(194,  
174, 249) }
```

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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