

Converting Colors

$Y_{xy}(48.4568, 0.2748, 0.2458)$

Have a look what the booklet for
Yxy(48.4568, 0.2748, 0.2458)
contains.

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Color

Yxy(48.4568, 0.2748, 0.2458)

Conversions

Conversions Part 1

Format	Color
Hex	C2AEF7
RGB	194, 174, 247
RGB Percent	76%, 68%, 97%
CMY	0.2392, 0.3176, 0.0313
CMYK	0.21, 0.30, 0.00, 0.03
HSL	256°, 82%, 83%
HSV	256°, 30%, 97%
XYZ	54.1738, 48.4568, 94.5085
YIQ	188.3020, -11.5130, 26.9430

Conversions

Conversions Part 2

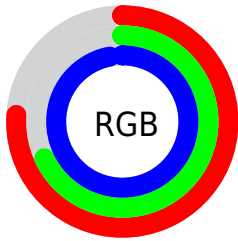
Format	Color
RYB	194, 174, 247
Decimal	12758775
CIELab	75.11, 21.83, -33.69
CIELCh	75, 40.147, 302.947
Yxy	48.4568, 0.2748, 0.2458
Android (android.graphics.Color)	4290948855 (0xFFC2AEF7)
YUV	188.3020, 28.9381, 4.9971
Hunter-Lab	69.6109, 17.0963, -31.7685

Details

The Yxy color **48.4568, 0.2748, 0.2458** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **85.9246, 0.3435, 0.4066**, and the grayscale version is **50.3083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3229, 0.3112, 0.3046**, and **23.1257, 0.2643, 0.2272** is the 20% darker color. If you saturate the color by 10%, you get **37.5438, 0.2587, 0.2134**, and if you desaturate by 10%, it is **61.4151, 0.2893, 0.2764**.

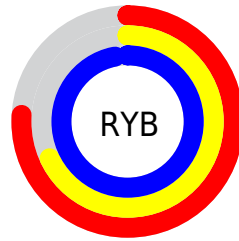
Distribution



Red (76%)

Green (68%)

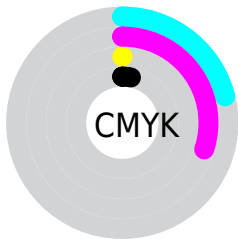
Blue (97%)



Red (76%)

Yellow (68%)

Blue (97%)

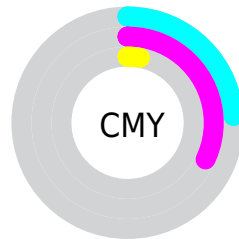


Cyan (21%)

Magenta (30%)

Yellow (0%)

Black (3%)



Cyan (24%)


Magenta (32%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.4568, 0.2748, 0.2458 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 48.4568, 0.2748, 0.2458 by changing the saturation by 10% instead.

 48.4568, 0.2748,
0.2458

 48.4568, 0.2748,
0.2458


380.5999, 0.2939,
0.2846

 34.1888, 0.2701,
0.2369


 87.8841, 0.2817,
0.2593

 23.0387, 0.2641,
0.2260


113.8123, 0.2843,
0.2645

 14.6221, 0.2563,
0.2123


144.3959, 0.2865,
0.2691

 8.5546, 0.2456,
0.1946

180.0193, 0.2884,
0.2730

 4.4518, 0.2305,
0.1711

221.0671, 0.2901,
0.2764

 1.9294, 0.2078,
0.1390

267.9235, 0.2915,

 0.5659, 0.1722,

0.2795

0.0892

320.9730, 0.2928,
0.2822

0.0000, 0.0092,
0.0000

0.0000, 0.0000,
0.0000

48.4568, 0.2748,
0.2458

48.4568, 0.2748,
0.2458

37.5438, 0.2587,
0.2134

61.4151, 0.2893,
0.2764

28.5639, 0.2413,
0.1805

76.5115, 0.3021,
0.3046

21.4026, 0.2235,
0.1486

93.8401, 0.3132,
0.3301

15.9308, 0.2059,
0.1198

99.4966, 0.3173,
0.3366

■ 12.0017, 0.1899,
0.0962

■ 9.4422, 0.1764,
0.0792

■ 7.9848, 0.1660,
0.0690

■ 7.9327, 0.1656,
0.0686

Harmonies

Analogous

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



48.4568, 0.2344, 0.2428



48.4568, 0.2748, 0.2458



48.4568, 0.3293, 0.2668

Triad

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



48.4568, 0.2748, 0.2458



48.4568, 0.4204, 0.3859



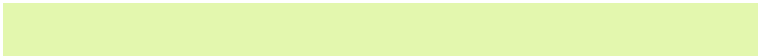
48.4568, 0.2440, 0.3546

Complementary

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



48.4568, 0.2748, 0.2458



85.9246, 0.3435, 0.4066

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.



48.4568, 0.2895, 0.4056



48.4568, 0.2748, 0.2458



48.4568, 0.3922, 0.4192

Square

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



48.4568, 0.2748, 0.2458



48.4568, 0.4179, 0.3434



48.4568, 0.3438, 0.4295



48.4568, 0.2178, 0.2998

Rectangle

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



48.4568, 0.2748, 0.2458



48.4568, 0.3666, 0.2886



48.4568, 0.3438, 0.4295



48.4568, 0.2574, 0.3733

Sweetspot

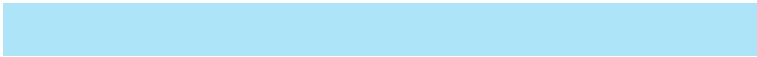
The Sweet Spot groups the original color and five complimentary colors.



48.4588, 0.2748, 0.2458



83.1964, 0.3027, 0.3061



70.9543, 0.2675, 0.3068



17.2657, 0.3010, 0.3022



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.



48.4588, 0.2748, 0.2458



45.3731, 0.2661, 0.2282



53.8099, 0.3026, 0.2522



16.1462, 0.3022, 0.3048



4.2547, 0.1670, 0.0694



0.4228, 0.1797, 0.0764

Inverse Universe

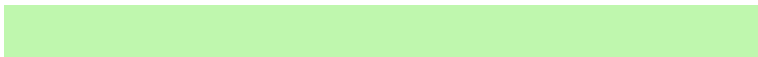
The Inverse Universe completely reimagines the original color for something new.



55.5984, 0.3321, 0.2741



54.1864, 0.3368, 0.2637



80.6711, 0.3194, 0.4128



16.6863, 0.3180, 0.3120



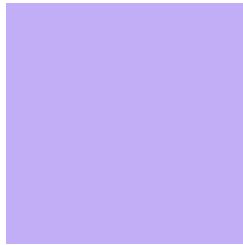
12.2122, 0.4049, 0.2004



1.0906, 0.3920, 0.1933

Previews

White Background



This preview shows how the Yxy color 48.4568, 0.2748, 0.2458 looks on a white background.

Color Contrast Check

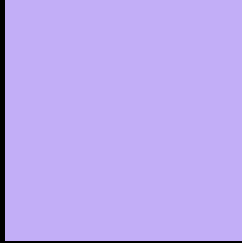
Large Text (above 18pt) WCAG AA × Fail

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 48.4568, 0.2748, 0.2458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

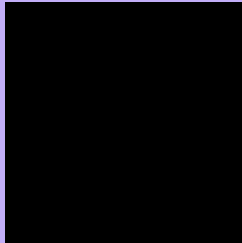
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.4568, 0.2748, 0.2458

Background



This preview shows how black text looks on a background with the Yxy color 48.4568, 0.2748, 0.2458.



This preview shows how white text looks on a background with the Yxy color 48.4568, 0.2748, 0.2458.

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

48.4568, 0.2748, 0.2458

Protanopia

48.4403, 0.2515, 0.2448

Deuteranopia

48.5945, 0.2600, 0.2537



Tritanopia

48.2585, 0.3028, 0.3100

Trichromacy



Original Color

48.4568, 0.2748, 0.2458

Protanomaly

48.3192, 0.2594, 0.2447

Deuteranomaly

48.4777, 0.2651, 0.2503

Tritanomaly

48.2918, 0.2919, 0.2850

Monochromacy



Original Color

48.4568, 0.2748, 0.2458

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

49.4176, 0.2987, 0.2971

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4568, 0.2748, 0.2458 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, 247)` looks like.

```
.text, #text, p{  
    color:rgb(194, 174, 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(194, 174, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 174, 247) }
```

Border

The CSS property to change the border of an element to Yxy 48.4568, 0.2748, 0.2458 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, 247) }
```

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

```
.border{ border-color:rgb(194, 174, 247) }
```

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, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 174, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 174, 247);  
box-shadow:4px 4px 4px 4px rgb(194, 174,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4568, 0.2748, 0.2458 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, 247) }
```

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

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