

Converting Colors

$Y_{xy}(48.5896, 0.2743, 0.2764)$

Have a look what the booklet for
Yxy(48.5896, 0.2743, 0.2764)
contains.

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Color

Yxy(48.7706, 0.2747, 0.2772)

Conversions

Conversions Part 1

Format	Color
Hex	AEB8E2
RGB	174, 184, 226
RGB Percent	68%, 72%, 89%
CMY	0.3175, 0.2785, 0.1136
CMYK	0.23, 0.19, 0.00, 0.11
HSL	229°, 47%, 78%
HSV	229°, 23%, 89%
XYZ	48.3307, 48.7706, 78.8388
YIQ	185.7980, -19.4420, 10.9420

Conversions

Conversions Part 2

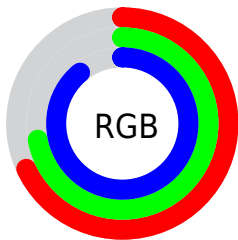
Format	Color
RYB	174, 182, 226
Decimal	11450594
CIELab	75.31, 5.51, -22.16
CIElCh	75, 22.841, 283.970
Yxy	48.7706, 0.2747, 0.2772
Android (android.graphics.Color)	4289640674 (0xFFAEB8E2)
YUV	185.7980, 19.8196, -10.3468
Hunter-Lab	69.8360, 1.3200, -18.0481

Details

The Yxy color $48.7706, 0.2747, 0.2772$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $68.3753, 0.3496, 0.3760$, and the grayscale version is $48.8829, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.3632, 0.2974, 0.3139$, and $23.2378, 0.2642, 0.2630$ is the 20% darker color. If you saturate the color by 10%, you get $39.2840, 0.2560, 0.2504$, and if you desaturate by 10%, it is $59.6784, 0.2922, 0.3015$.

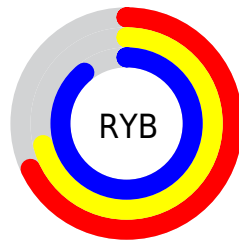
Distribution



Red (68%)

Green (72%)

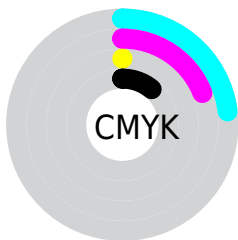
Blue (89%)



Red (68%)

Yellow (71%)

Blue (89%)

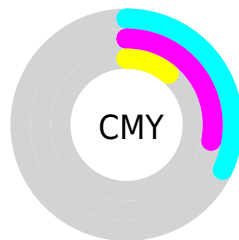


Cyan (23%)

Magenta (19%)

Yellow (0%)

Black (11%)



Cyan (32%)

Magenta (28%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7706, 0.2747, 0.2772 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 48.7706, 0.2747, 0.2772 by changing the saturation by 10% instead.

■ 48.7706, 0.2747,
0.2772

■ 48.7706, 0.2747,
0.2772

■ 381.8385, 0.2935,
0.3023

■ 34.4375, 0.2701,
0.2712

■ 88.3506, 0.2814,
0.2861

■ 23.2299, 0.2643,
0.2637

■ 114.3664, 0.2840,
0.2895

■ 14.7634, 0.2567,
0.2539

■ 145.0452, 0.2862,
0.2924

■ 8.6535, 0.2464,
0.2408

■ 180.7715, 0.2880,
0.2950

■ 4.5159, 0.2317,
0.2224

■ 221.9295, 0.2896,
0.2971

■ 1.9661, 0.2090,
0.1950

■ 268.9038, 0.2911,

■ 0.5877, 0.1706,

0.2991

0.1447

322.0787, 0.2923,
0.3008

0.0000, 0.0000,
0.0000

48.7706, 0.2747,
0.2772

48.7706, 0.2747,
0.2772

39.2840, 0.2560,
0.2504

59.6784, 0.2922,
0.3015

31.1536, 0.2365,
0.2215

72.0570, 0.3082,
0.3230

24.3180, 0.2169,
0.1913

85.9610, 0.3227,
0.3420

18.7085, 0.1983,
0.1611

98.2726, 0.3297,
0.3571

14.2502, 0.1818,
0.1326

■ 10.8590, 0.1684,
0.1075

■ 8.4386, 0.1590,
0.0874

■ 7.2435, 0.1547,
0.0767

Harmonies

Analogous

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



48.7706, 0.2575, 0.2844



48.7706, 0.2747, 0.2772



48.7706, 0.3025, 0.2827

Triad

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



48.7706, 0.2747, 0.2772



48.7706, 0.3749, 0.3489



48.7706, 0.2896, 0.3619

Complementary

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



48.7706, 0.2747, 0.2772



68.3753, 0.3496, 0.3760

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.



48.7706, 0.3204, 0.3813



48.7706, 0.2747, 0.2772



48.7706, 0.3705, 0.3716

Square

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



48.7706, 0.2747, 0.2772



48.7706, 0.3615, 0.3227



48.7706, 0.3502, 0.3844



48.7706, 0.2657, 0.3327

Rectangle

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



48.7706, 0.2747, 0.2772



48.7706, 0.3239, 0.2926



48.7706, 0.3502, 0.3844



48.7706, 0.2994, 0.3699

Sweetspot

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



48.7726, 0.2747, 0.2772



87.9072, 0.3019, 0.3146



68.3496, 0.2847, 0.3413



18.6025, 0.3010, 0.3133



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.



48.7726, 0.2747, 0.2772



57.4223, 0.2651, 0.2636



46.6746, 0.2857, 0.2667



13.6663, 0.2981, 0.3095



4.2607, 0.1552, 0.0788



0.4187, 0.1628, 0.1059

Inverse Universe

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



49.9166, 0.3510, 0.3176



59.4192, 0.3626, 0.3149



71.2309, 0.3357, 0.3885



13.7432, 0.3262, 0.3245



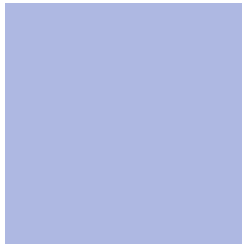
9.3382, 0.6089, 0.3128



0.6597, 0.5671, 0.2898

Previews

White Background



This preview shows how the Yxy color 48.7706, 0.2747, 0.2772 looks on a white background.

Color Contrast Check

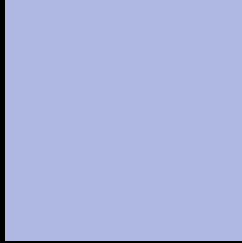
Large Text (above 18pt) WCAG AA × Fail

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 48.7706, 0.2747, 0.2772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

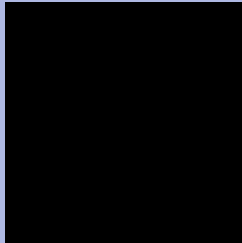
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.7706, 0.2747, 0.2772

Background



This preview shows how black text looks on a background with the Yxy color 48.7706, 0.2747, 0.2772.



This preview shows how white text looks on a background with the Yxy color 48.7706, 0.2747, 0.2772.

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

48.7706, 0.2747, 0.2772

Protanopia

49.0021, 0.2762, 0.2775

Deuteranopia

48.6611, 0.2804, 0.2734



Tritanopia

48.8243, 0.2875, 0.3096

Trichromacy



Original Color

48.7706, 0.2747, 0.2772

Protanomaly

48.8859, 0.2754, 0.2773

Deuteranomaly

48.7052, 0.2783, 0.2743

Tritanomaly

48.9017, 0.2827, 0.2985

Monochromacy



Original Color

48.7706, 0.2747, 0.2772

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.8601, 0.2982, 0.3088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7706, 0.2747, 0.2772 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(174, 184, 226)` looks like.

```
.text, #text, p{  
    color:rgb(174, 184, 226)  
}
```

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(174, 184, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 184, 226) }
```

Border

The CSS property to change the border of an element to Yxy 48.7706, 0.2747, 0.2772 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(174, 184, 226) }
```

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

```
.border{ border-color:rgb(174, 184, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 184, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 184, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 184, 226);  
box-shadow:4px 4px 4px 4px rgb(174, 184,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7706, 0.2747, 0.2772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 184, 226) }
```

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

```
.background{ background-color: rgb(174,  
184, 226) }
```

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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