

Converting Colors

$Y_{xy}(49.8469, 0.2828, 0.2762)$

Have a look what the booklet for
Yxy(49.8469, 0.2828, 0.2762)
contains.

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Color

Yxy(49.8521, 0.2828, 0.2762)

Conversions

Conversions Part 1

Format	Color
Hex	BAB7E3
RGB	186, 183, 227
RGB Percent	73%, 72%, 89%
CMY	0.2707, 0.2823, 0.1098
CMYK	0.18, 0.19, 0.00, 0.11
HSL	244°, 44%, 80%
HSV	244°, 19%, 89%
XYZ	51.0434, 49.8521, 79.5973
YIQ	188.9130, -12.3360, 14.3200

Conversions

Conversions Part 2

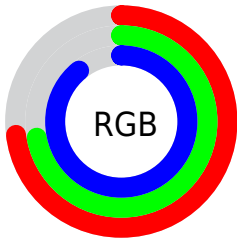
Format	Color
RYB	186, 183, 227
Decimal	12236771
CIELab	75.98, 9.96, -21.58
CIELCh	76, 23.770, 294.764
Yxy	49.8521, 0.2828, 0.2762
Android (android.graphics.Color)	4290426851 (0xFFBAB7E3)
YUV	188.9130, 18.7769, -2.5547
Hunter-Lab	70.6060, 5.4828, -17.4160

Details

The Yxy color $49.8521, 0.2828, 0.2762$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $74.2028, 0.3396, 0.3775$, and the grayscale version is $50.7321, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.8302, 0.3050, 0.3132$, and $23.8494, 0.2738, 0.2618$ is the 20% darker color. If you saturate the color by 10%, you get $38.7753, 0.2645, 0.2444$, and if you desaturate by 10%, it is $62.8357, 0.2992, 0.3050$.

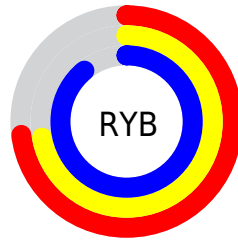
Distribution



Red (73%)

Green (72%)

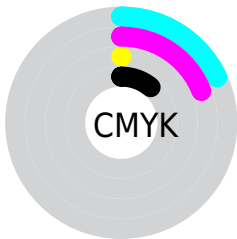
Blue (89%)



Red (73%)

Yellow (72%)

Blue (89%)

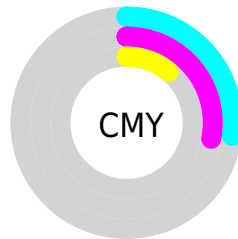


Cyan (18%)

Magenta (19%)

Yellow (0%)

Black (11%)



Cyan (27%)

Magenta (28%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8521, 0.2828, 0.2762 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 49.8521, 0.2828, 0.2762 by changing the saturation by 10% instead.

■ 49.8521, 0.2828,
0.2762

■ 49.8521, 0.2828,
0.2762

■ 386.0873, 0.2976,
0.3015

■ 35.2959, 0.2792,
0.2702

■ 89.9557, 0.2882,
0.2852

■ 23.8909, 0.2745,
0.2627

■ 116.2719, 0.2902,
0.2886

■ 15.2527, 0.2684,
0.2531

■ 147.2769, 0.2919,
0.2915

■ 8.9969, 0.2601,
0.2402

■ 183.3550, 0.2934,
0.2941

■ 4.7392, 0.2481,
0.2223

■ 224.8907, 0.2946,
0.2963

■ 2.0951, 0.2295,
0.1959

■ 272.2684, 0.2958,

■ 0.6618, 0.1984,

0.2982

0.1505

325.8725, 0.2968,
0.3000

0.0000, 0.0000,
0.0000

49.8521, 0.2828,
0.2762

49.8521, 0.2828,
0.2762

38.7753, 0.2645,
0.2444

62.8357, 0.2992,
0.3050

29.5096, 0.2446,
0.2102

77.8035, 0.3136,
0.3305

21.9605, 0.2238,
0.1750

94.8360, 0.3260,
0.3528

16.0223, 0.2033,
0.1409

98.3255, 0.3292,
0.3562

11.5776, 0.1846,
0.1105

■ 8.4933, 0.1691,
0.0861

■ 6.6123, 0.1582,
0.0698

■ 5.6923, 0.1520,
0.0613

■ 5.6498, 0.1517,
0.0609

Harmonies

Analogous

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



49.8521, 0.2606, 0.2787



49.8521, 0.2828, 0.2762



49.8521, 0.3140, 0.2862

Triad

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



49.8521, 0.2828, 0.2762



49.8521, 0.3775, 0.3586



49.8521, 0.2787, 0.3527

Complementary

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



49.8521, 0.2828, 0.2762



74.2028, 0.3396, 0.3775

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.



49.8521, 0.3088, 0.3777



49.8521, 0.2828, 0.2762



49.8521, 0.3664, 0.3793

Square

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



49.8521, 0.2828, 0.2762



49.8521, 0.3701, 0.3322



49.8521, 0.3410, 0.3872



49.8521, 0.2583, 0.3215

Rectangle

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



49.8521, 0.2828, 0.2762



49.8521, 0.3361, 0.2987



49.8521, 0.3410, 0.3872



49.8521, 0.2880, 0.3623

Sweetspot

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



49.8541, 0.2828, 0.2762



88.0175, 0.3042, 0.3139



68.9569, 0.2836, 0.3255



18.5726, 0.3032, 0.3122



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.



49.8541, 0.2828, 0.2762



59.1801, 0.2761, 0.2645



52.8175, 0.2997, 0.2788



13.9334, 0.2991, 0.3048



3.3130, 0.1522, 0.0612



0.2612, 0.1582, 0.0645

Inverse Universe

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



55.5841, 0.3173, 0.2841



67.8655, 0.3182, 0.2752



70.9184, 0.3236, 0.3800



14.5975, 0.3148, 0.3074



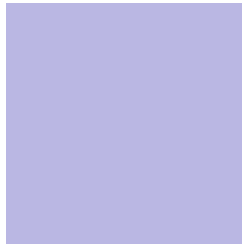
12.2938, 0.3386, 0.1639



0.9136, 0.3357, 0.1623

Previews

White Background



This preview shows how the Yxy color 49.8521, 0.2828, 0.2762 looks on a white background.

Color Contrast Check

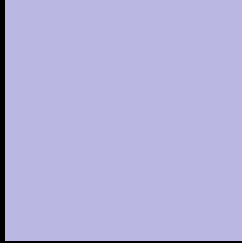
Large Text (above 18pt) WCAG AA × Fail

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 49.8521, 0.2828, 0.2762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

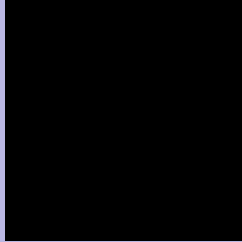
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8521, 0.2828, 0.2762

Background



This preview shows how black text looks on a background with the Yxy color 49.8521, 0.2828, 0.2762.



This preview shows how white text looks on a background with the Yxy color 49.8521, 0.2828, 0.2762.

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

49.8521, 0.2828, 0.2762

Protanopia

49.7022, 0.2750, 0.2755

Deuteranopia

49.8521, 0.2828, 0.2762



Tritanopia

49.7500, 0.2975, 0.3101

Trichromacy



Original Color

49.8521, 0.2828, 0.2762

Protanomaly

49.5857, 0.2778, 0.2756

Deuteranomaly

49.8521, 0.2828, 0.2762

Tritanomaly

49.8882, 0.2918, 0.2980

Monochromacy



Original Color

49.8521, 0.2828, 0.2762

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.5438, 0.3015, 0.3092

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8521, 0.2828, 0.2762 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(186, 183, 227)` looks like.

```
.text, #text, p{  
    color:rgb(186, 183, 227)  
}
```

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(186, 183, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 183, 227) }
```

Border

The CSS property to change the border of an element to Yxy 49.8521, 0.2828, 0.2762 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(186, 183, 227) }
```

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

```
.border{ border-color:rgb(186, 183, 227) }
```

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

Here you see how a box with a 4 pixel rgb(186, 183, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 183, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 183, 227);  
box-shadow:4px 4px 4px 4px rgb(186, 183,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8521, 0.2828, 0.2762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 183, 227) }
```

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

```
.background{ background-color: rgb(186,  
183, 227) }
```

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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