

Converting Colors

$Y_{xy}(49.5816, 0.2772, 0.2713)$

Have a look what the booklet for
Yxy(49.5816, 0.2772, 0.2713)
contains.

Yxy(49.5816, 0.2772, 0.2713)	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(49.5816, 0.2772, 0.2713)

Conversions

Conversions Part 1

Format	Color
Hex	B6B7E7
RGB	182, 183, 231
RGB Percent	71%, 72%, 91%
CMY	0.2861, 0.2824, 0.0940
CMYK	0.21, 0.21, 0.00, 0.09
HSL	239°, 51%, 81%
HSV	239°, 21%, 91%
XYZ	50.6599, 49.5816, 82.5142
YIQ	188.1730, -16.0040, 14.7160

Conversions

Conversions Part 2

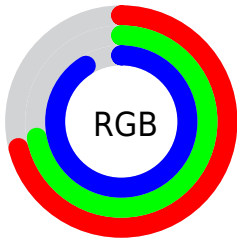
Format	Color
R _Y B	182, 183, 231
Decimal	11974631
CIE Lab	75.81, 9.65, -24.05
CIE LCh	76, 25.912, 291.877
Yxy	49.5816, 0.2772, 0.2713
Android (android.graphics.Color)	4290164711 (0xFFB6B7E7)
YUV	188.1730, 21.1137, -5.4137
Hunter-Lab	70.4142, 5.1979, -20.1884

Details

The Yxy color **49.5816, 0.2772, 0.2713** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **77.0138, 0.3448, 0.3808**, and the grayscale version is **50.2829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1301, 0.3025, 0.3131**, and **23.6496, 0.2674, 0.2568** is the 20% darker color. If you saturate the color by 10%, you get **38.3907, 0.2575, 0.2391**, and if you desaturate by 10%, it is **62.7457, 0.2951, 0.3004**.

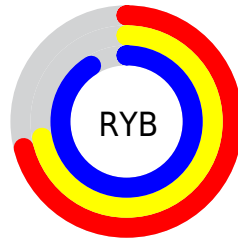
Distribution



Red (71%)

Green (72%)

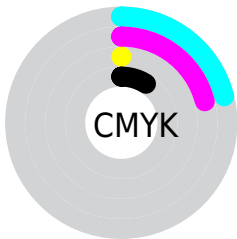
Blue (91%)



Red (71%)

Yellow (72%)

Blue (91%)

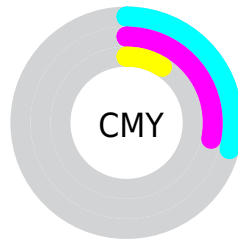


Cyan (21%)

Magenta (21%)

Yellow (0%)

Black (9%)



Cyan (29%)

Magenta (28%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.5816, 0.2772, 0.2713 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 49.5816, 0.2772, 0.2713 by changing the saturation by 10% instead.

■ 49.5816, 0.2772,
0.2713

■ 49.5816, 0.2772,
0.2713

■ 385.0275, 0.2948,
0.2989

■ 35.0811, 0.2729,
0.2648

■ 89.5546, 0.2835,
0.2811

■ 23.7253, 0.2675,
0.2566

■ 115.7959, 0.2859,
0.2848

■ 15.1300, 0.2603,
0.2462

■ 146.7196, 0.2879,
0.2880

■ 8.9107, 0.2507,
0.2323

■ 182.7101, 0.2897,
0.2908

■ 4.6830, 0.2368,
0.2130

■ 224.1517, 0.2912,
0.2932

■ 2.0625, 0.2156,
0.1850

■ 271.4289, 0.2925,

■ 0.6434, 0.1810,

0.2953

0.1375

324.9260, 0.2937,
0.2972

0.0000, 0.0000,
0.0000

49.5816, 0.2772,
0.2713

49.5816, 0.2772,
0.2713

38.3907, 0.2575,
0.2391

62.7457, 0.2951,
0.3004

29.0722, 0.2364,
0.2046

77.9651, 0.3110,
0.3262

21.5258, 0.2149,
0.1692

95.3248, 0.3248,
0.3486

15.6392, 0.1944,
0.1353

98.5506, 0.3268,
0.3522

11.2874, 0.1765,
0.1055

■ 8.3277, 0.1627,
0.0823

■ 6.5906, 0.1540,
0.0674

■ 5.8659, 0.1503,
0.0609

Harmonies

Analogous

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



49.5816, 0.2544, 0.2753



49.5816, 0.2772, 0.2713



49.5816, 0.3105, 0.2810

Triad

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



49.5816, 0.2772, 0.2713



49.5816, 0.3836, 0.3584



49.5816, 0.2784, 0.3581

Complementary

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



49.5816, 0.2772, 0.2713



77.0138, 0.3448, 0.3808

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.



49.5816, 0.3117, 0.3843



49.5816, 0.2772, 0.2713



49.5816, 0.3733, 0.3820

Square

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



49.5816, 0.2772, 0.2713



49.5816, 0.3737, 0.3294



49.5816, 0.3465, 0.3927



49.5816, 0.2550, 0.3238

Rectangle

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



49.5816, 0.2772, 0.2713



49.5816, 0.3348, 0.2939



49.5816, 0.3465, 0.3927



49.5816, 0.2887, 0.3684

Sweetspot

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



49.5836, 0.2772, 0.2713



88.0076, 0.3035, 0.3141



72.7926, 0.2821, 0.3308



18.5703, 0.3025, 0.3124



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.



49.5836, 0.2772, 0.2713



56.2314, 0.2696, 0.2589



52.2146, 0.2945, 0.2730



13.9308, 0.2980, 0.3052



3.3082, 0.1504, 0.0612



0.2601, 0.1513, 0.0647

Inverse Universe

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



53.8888, 0.3546, 0.3281



62.4570, 0.3648, 0.3279



73.9761, 0.3281, 0.3847



14.3724, 0.3290, 0.3286



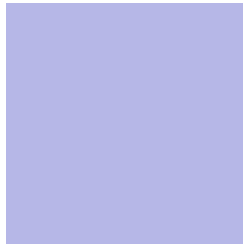
9.5317, 0.6380, 0.3288



0.7059, 0.6321, 0.3256

Previews

White Background



This preview shows how the Yxy color 49.5816, 0.2772, 0.2713 looks on a white background.

Color Contrast Check

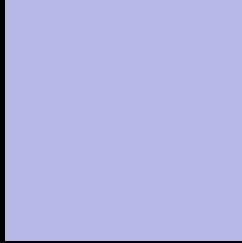
Large Text (above 18pt) WCAG AA × Fail

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 49.5816, 0.2772, 0.2713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

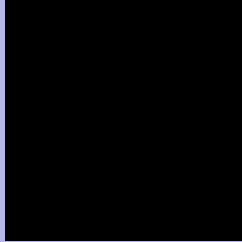
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.5816, 0.2772, 0.2713

Background



This preview shows how black text looks on a background with the Yxy color 49.5816, 0.2772, 0.2713.



This preview shows how white text looks on a background with the Yxy color 49.5816, 0.2772, 0.2713.

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

49.5816, 0.2772, 0.2713

Protanopia

49.6381, 0.2717, 0.2719

Deuteranopia

49.5816, 0.2772, 0.2713



Tritanopia

49.6253, 0.2929, 0.3099

Trichromacy



Original Color

49.5816, 0.2772, 0.2713

Protanomaly

49.5722, 0.2737, 0.2710

Deuteranomaly

49.5816, 0.2772, 0.2713

Tritanomaly

49.5056, 0.2873, 0.2953

Monochromacy



Original Color

49.5816, 0.2772, 0.2713

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

49.9165, 0.2992, 0.3066

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5816, 0.2772, 0.2713 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(182, 183, 231)` looks like.

```
.text, #text, p{  
    color:rgb(182, 183, 231)  
}
```

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(182, 183, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 183, 231) }
```

Border

The CSS property to change the border of an element to Yxy 49.5816, 0.2772, 0.2713 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(182, 183, 231) }
```

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

```
.border{ border-color:rgb(182, 183, 231) }
```

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

Here you see how a box with a 4 pixel rgb(182, 183, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 183, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 183, 231);  
box-shadow:4px 4px 4px 4px rgb(182, 183,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5816, 0.2772, 0.2713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 183, 231) }
```

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

```
.background{ background-color: rgb(182,  
183, 231) }
```

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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