

Converting Colors

$Y_{xy}(48.8909, 0.2778, 0.2970)$

Have a look what the booklet for
Yxy(48.8909, 0.2778, 0.2970)
contains.

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Color

Yxy(48.8775, 0.2778, 0.2970)

Conversions

Conversions Part 1

Format	Color
Hex	A6BCD5
RGB	166, 188, 213
RGB Percent	65%, 74%, 84%
CMY	0.3491, 0.2627, 0.1647
CMYK	0.22, 0.12, 0.00, 0.16
HSL	212°, 36%, 74%
HSV	212°, 22%, 84%
XYZ	45.7177, 48.8775, 69.9755
YIQ	184.2720, -21.1370, 3.1110

Conversions

Conversions Part 2

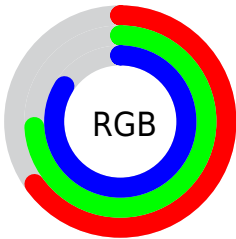
Format	Color
R _Y B	166, 181, 213
Decimal	10927317
CIE Lab	75.38, -2.10, -15.05
CIE LCh	75, 15.196, 262.060
Yxy	48.8775, 0.2778, 0.2970
Android (android.graphics.Color)	4289117397 (0xFFA6BCD5)
YUV	184.2720, 14.1629, -16.0245
Hunter-Lab	69.9124, -5.6205, -10.4047

Details

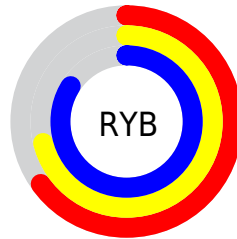
The Yxy color **48.8775, 0.2778, 0.2970** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **54.1551, 0.3510, 0.3590**, and the grayscale version is **48.0201, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4510, 0.2926, 0.3178**, and **23.3073, 0.2684, 0.2890** is the 20% darker color. If you saturate the color by 10%, you get **42.1144, 0.2612, 0.2800**, and if you desaturate by 10%, it is **56.4055, 0.2940, 0.3125**.

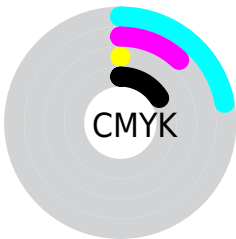
Distribution



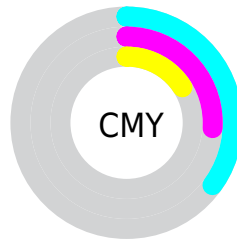
- Red (65%)
- Green (74%)
- Blue (84%)



- Red (65%)
- Yellow (71%)
- Blue (84%)



- Cyan (22%)
- Magenta (12%)
- Yellow (0%)
- Black (16%)



- Cyan (35%)
- Magenta (26%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.8775, 0.2778, 0.2970 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 48.8775, 0.2778, 0.2970 by changing the saturation by 10% instead.

■ 48.8775, 0.2778,
0.2970

■ 48.8775, 0.2778,
0.2970

■ 382.2599, 0.2950,
0.3128

■ 34.5223, 0.2736,
0.2931

■ 88.5095, 0.2840,
0.3027

■ 23.2951, 0.2683,
0.2882

■ 114.5551, 0.2863,
0.3049

■ 14.8116, 0.2614,
0.2816

■ 145.2663, 0.2883,
0.3067

■ 8.6873, 0.2519,
0.2727

■ 181.0274, 0.2900,
0.3083

■ 4.5378, 0.2382,
0.2597

■ 222.2230, 0.2915,
0.3096

■ 1.9787, 0.2169,
0.2392

■ 269.2373, 0.2928,

■ 0.5951, 0.1707,

0.3108

0.1975

322.4548, 0.2939,
0.3119

0.0000, 0.0000,
0.0000

48.8775, 0.2778,
0.2970

48.8775, 0.2778,
0.2970

42.1144, 0.2612,
0.2800

56.4055, 0.2940,
0.3125

36.0829, 0.2446,
0.2615

64.7184, 0.3096,
0.3263

30.7556, 0.2285,
0.2418

73.8426, 0.3244,
0.3387

26.1008, 0.2134,
0.2213

83.8014, 0.3382,
0.3495

22.0839, 0.1998,
0.2005

91.1471, 0.3391,
0.3603

■ 18.6659, 0.1884,
0.1799

■ 97.5842, 0.3376,
0.3701

■ 15.8019, 0.1794,
0.1603

■ 13.8702, 0.1738,
0.1457

Harmonies

Analogous

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



48.8775, 0.2729, 0.3085



48.8775, 0.2778, 0.2970



48.8775, 0.2919, 0.2941

Triad

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



48.8775, 0.2778, 0.2970



48.8775, 0.3485, 0.3299



48.8775, 0.3124, 0.3607

Complementary

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



48.8775, 0.2778, 0.2970



54.1551, 0.3510, 0.3590

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.



48.8775, 0.3330, 0.3660



48.8775, 0.2778, 0.2970



48.8775, 0.3543, 0.3474

Square

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



48.8775, 0.2778, 0.2970



48.8775, 0.3327, 0.3128



48.8775, 0.3485, 0.3608



48.8775, 0.2924, 0.3458

Rectangle

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



48.8775, 0.2778, 0.2970



48.8775, 0.3048, 0.2971



48.8775, 0.3485, 0.3608



48.8775, 0.3195, 0.3636

Sweetspot

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



48.8795, 0.2778, 0.2970



90.8637, 0.3019, 0.3196



59.4252, 0.2942, 0.3579



19.2860, 0.3009, 0.3187



0.0000, 0.0000, 0.0000



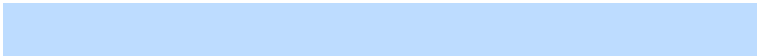
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.8795, 0.2778, 0.2970



69.0548, 0.2709, 0.2900



40.2649, 0.2763, 0.2678



12.9579, 0.2982, 0.3163



8.6732, 0.1746, 0.1483



0.6880, 0.1836, 0.1810

Inverse Universe

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



45.0470, 0.3370, 0.3027



62.6802, 0.3428, 0.2974



64.3714, 0.3452, 0.3838



12.5166, 0.3218, 0.3181



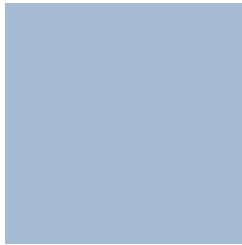
9.2204, 0.5081, 0.2573



0.5728, 0.4674, 0.2348

Previews

White Background



This preview shows how the Yxy color 48.8775, 0.2778, 0.2970 looks on a white background.

Color Contrast Check

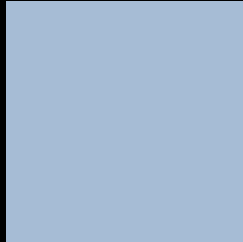
Large Text (above 18pt) WCAG AA × Fail

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 48.8775, 0.2778, 0.2970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

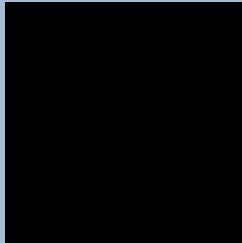
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

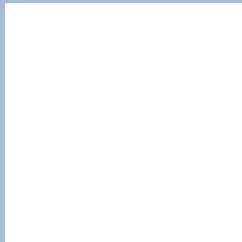
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.8775, 0.2778, 0.2970

Background



This preview shows how black text looks on a background with the Yxy color 48.8775, 0.2778, 0.2970.



This preview shows how white text looks on a background with the Yxy color 48.8775, 0.2778, 0.2970.

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

48.8775, 0.2778, 0.2970

Protanopia

48.7579, 0.2908, 0.2965

Deuteranopia

48.7216, 0.2942, 0.2887



Tritanopia

48.6955, 0.2818, 0.3081

Trichromacy



Original Color

48.8775, 0.2778, 0.2970

Protanomaly

48.6312, 0.2863, 0.2962

Deuteranomaly

48.9598, 0.2880, 0.2917

Tritanomaly

48.9486, 0.2805, 0.3044

Monochromacy



Original Color

48.8775, 0.2778, 0.2970

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.9852, 0.2986, 0.3161

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8775, 0.2778, 0.2970 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(166, 188, 213)` looks like.

```
.text, #text, p{  
    color:rgb(166, 188, 213)  
}
```

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(166, 188, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 188, 213) }
```

Border

The CSS property to change the border of an element to Yxy 48.8775, 0.2778, 0.2970 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(166, 188, 213) }
```

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

```
.border{ border-color:rgb(166, 188, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 188, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 188, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 188, 213);  
box-shadow:4px 4px 4px 4px rgb(166, 188,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8775, 0.2778, 0.2970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 188, 213) }
```

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

```
.background{ background-color: rgb(166,  
188, 213) }
```

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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