

Converting Colors

$Y_{xy}(49.2660, 0.2814, 0.2985)$

Have a look what the booklet for
Yxy(49.2660, 0.2814, 0.2985)
contains.

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Color

Yxy(49.2660, 0.2814, 0.2985)

Conversions

Conversions Part 1

Format	Color
Hex	AABCD4
RGB	170, 188, 212
RGB Percent	67%, 74%, 83%
CMY	0.3333, 0.2627, 0.1687
CMYK	0.20, 0.11, 0.00, 0.17
HSL	214°, 33%, 75%
HSV	214°, 20%, 83%
XYZ	46.4437, 49.2660, 69.3355
YIQ	185.3540, -18.4320, 3.6480

Conversions

Conversions Part 2

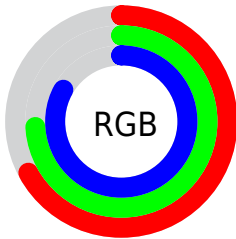
Format	Color
RYB	170, 183, 212
Decimal	11189460
CIELab	75.62, -1.08, -14.11
CIELCh	76, 14.148, 265.634
Yxy	49.2660, 0.2814, 0.2985
Android (android.graphics.Color)	4289379540 (0xFFAABCD4)
YUV	185.3540, 13.1365, -13.4655
Hunter-Lab	70.1897, -4.7207, -9.4356

Details

The Yxy color `49.2660, 0.2814, 0.2985` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `55.4747, 0.3462, 0.3577`, and the grayscale version is `48.6576, 0.3127, 0.3290`.

A 20% lighter version of the original color is `88.0901, 0.2950, 0.3178`, and `23.5442, 0.2730, 0.2910` is the 20% darker color. If you saturate the color by 10%, you get `42.1337, 0.2646, 0.2805`, and if you desaturate by 10%, it is `57.2174, 0.2976, 0.3148`.

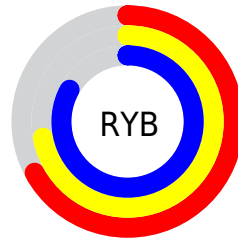
Distribution



Red (67%)

Green (74%)

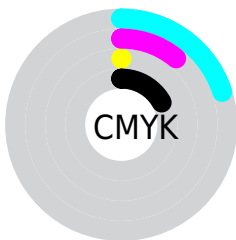
Blue (83%)



Red (67%)

Yellow (72%)

Blue (83%)

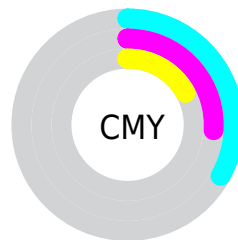


Cyan (20%)

Magenta (11%)

Yellow (0%)

Black (17%)



Cyan (33%)

Magenta (26%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2660, 0.2814, 0.2985 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 49.2660, 0.2814, 0.2985 by changing the saturation by 10% instead.

■ 49.2660, 0.2814,
0.2985

■ 49.2660, 0.2814,
0.2985

■ 383.7886, 0.2968,
0.3136

■ 34.8305, 0.2776,
0.2948

■ 89.0864, 0.2869,
0.3039

■ 23.5324, 0.2729,
0.2901

■ 115.2401, 0.2890,
0.3060

■ 14.9871, 0.2666,
0.2840

■ 146.0687, 0.2908,
0.3077

■ 8.8103, 0.2581,
0.2755

■ 181.9566, 0.2923,
0.3092

■ 4.6177, 0.2457,
0.2632

■ 223.2881, 0.2937,
0.3105

■ 2.0247, 0.2264,
0.2439

■ 270.4477, 0.2948,

■ 0.6218, 0.1862,

0.3116

0.2051

323.8197, 0.2959,
0.3127

0.0000, 0.0000,
0.0000

49.2660, 0.2814,
0.2985

49.2660, 0.2814,
0.2985

42.1337, 0.2646,
0.2805

57.2174, 0.2976,
0.3148

35.7857, 0.2476,
0.2609

66.0092, 0.3130,
0.3293

30.1933, 0.2309,
0.2400

75.6691, 0.3275,
0.3421

25.3233, 0.2149,
0.2181

86.2219, 0.3410,
0.3535

21.1397, 0.2004,
0.1957

93.4883, 0.3392,
0.3651

■ 17.6026, 0.1879,
0.1737

■ 97.5325, 0.3382,
0.3711

■ 14.6662, 0.1780,
0.1529

■ 12.2589, 0.1705,
0.1337

■ 12.2146, 0.1704,
0.1333

Harmonies

Analogous

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



49.2660, 0.2757, 0.3084



49.2660, 0.2814, 0.2985



49.2660, 0.2954, 0.2968

Triad

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



49.2660, 0.2814, 0.2985



49.2660, 0.3471, 0.3319



49.2660, 0.3102, 0.3571

Complementary

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



49.2660, 0.2814, 0.2985



55.4747, 0.3462, 0.3577

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.



49.2660, 0.3295, 0.3633



49.2660, 0.2814, 0.2985



49.2660, 0.3512, 0.3479

Square

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



49.2660, 0.2814, 0.2985



49.2660, 0.3334, 0.3157



49.2660, 0.3446, 0.3596



49.2660, 0.2920, 0.3426

Rectangle

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



49.2660, 0.2814, 0.2985



49.2660, 0.3078, 0.3001



49.2660, 0.3446, 0.3596



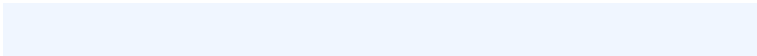
49.2660, 0.3167, 0.3602

Sweetspot

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



49.2680, 0.2814, 0.2985



91.7623, 0.3035, 0.3204



59.5105, 0.2947, 0.3519



19.4552, 0.3024, 0.3194



0.0000, 0.0000, 0.0000



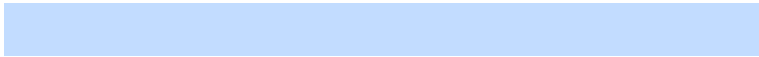
21.4041, 0.3127, 0.3290

Same Dimension

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



49.2680, 0.2814, 0.2985



69.8693, 0.2740, 0.2907



42.3682, 0.2822, 0.2752



12.8755, 0.2982, 0.3153



7.7323, 0.1711, 0.1359



0.6288, 0.1805, 0.1698

Inverse Universe

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



46.3786, 0.3354, 0.3075



64.9239, 0.3419, 0.3023



63.5622, 0.3401, 0.3784



12.5083, 0.3225, 0.3190



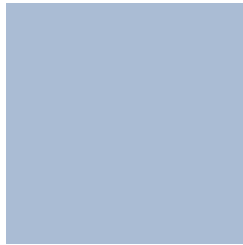
9.1254, 0.5246, 0.2664



0.5668, 0.4809, 0.2423

Previews

White Background



This preview shows how the Yxy color 49.2660, 0.2814, 0.2985 looks on a white background.

Color Contrast Check

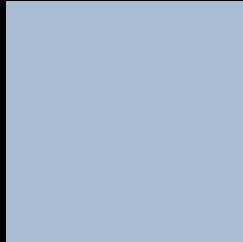
Large Text (above 18pt) WCAG AA × Fail

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 49.2660, 0.2814, 0.2985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

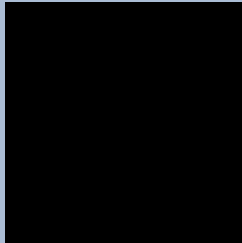
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

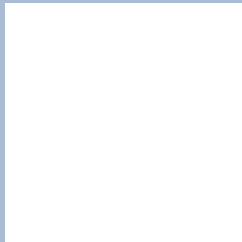
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.2660, 0.2814, 0.2985

Background



This preview shows how black text looks on a background with the Yxy color 49.2660, 0.2814, 0.2985.



This preview shows how white text looks on a background with the Yxy color 49.2660, 0.2814, 0.2985.

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

49.2660, 0.2814, 0.2985

Protanopia

49.2962, 0.2917, 0.2978

Deuteranopia

48.9282, 0.2965, 0.2900



Tritanopia

49.1898, 0.2861, 0.3096

Trichromacy



Original Color

49.2660, 0.2814, 0.2985

Protanomaly

49.2859, 0.2879, 0.2976

Deuteranomaly

49.1524, 0.2903, 0.2931

Tritanomaly

49.3352, 0.2841, 0.3059

Monochromacy



Original Color

49.2660, 0.2814, 0.2985

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.7612, 0.3010, 0.3175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2660, 0.2814, 0.2985 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(170, 188, 212)` looks like.

```
.text, #text, p{  
    color:rgb(170, 188, 212)  
}
```

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(170, 188, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 188, 212) }
```

Border

The CSS property to change the border of an element to Yxy 49.2660, 0.2814, 0.2985 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(170, 188, 212) }
```

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

```
.border{ border-color:rgb(170, 188, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 188, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 188, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 188, 212);  
box-shadow:4px 4px 4px 4px rgb(170, 188,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2660, 0.2814, 0.2985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 188, 212) }
```

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

```
.background{ background-color: rgb(170,  
188, 212) }
```

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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