

Converting Colors

$Yxy(49.2238, 0.2863, 0.3017)$

Have a look what the booklet for
Yxy(49.2238, 0.2863, 0.3017)
contains.

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Color

Yxy(49.1428, 0.2863, 0.3011)

Conversions

Conversions Part 1

Format	Color
Hex	AEBBD1
RGB	174, 187, 209
RGB Percent	68%, 73%, 82%
CMY	0.3178, 0.2666, 0.1804
CMYK	0.17, 0.11, 0.00, 0.18
HSL	218°, 28%, 75%
HSV	218°, 17%, 82%
XYZ	46.7273, 49.1428, 67.3408
YIQ	185.6210, -14.8100, 4.0860

Conversions

Conversions Part 2

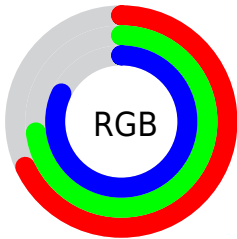
Format	Color
RYB	174, 183, 209
Decimal	11451345
CIELab	75.54, 0.05, -12.57
CIELCh	76, 12.572, 270.238
Yxy	49.1428, 0.2863, 0.3011
Android (android.graphics.Color)	4289641425 (0xFFAEBBD1)
YUV	185.6210, 11.5258, -10.1916
Hunter-Lab	70.1019, -3.6971, -7.8834

Details

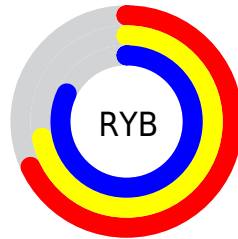
The Yxy color **49.1428, 0.2863, 0.3011** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.0627, 0.3402, 0.3554**, and the grayscale version is **48.8182, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.1442, 0.2975, 0.3169**, and **23.4817, 0.2785, 0.2929** is the 20% darker color. If you saturate the color by 10%, you get **41.6165, 0.2694, 0.2819**, and if you desaturate by 10%, it is **57.5547, 0.3024, 0.3184**.

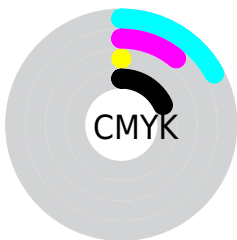
Distribution



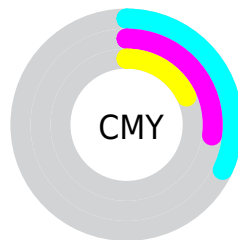
- Red (68%)
- Green (73%)
- Blue (82%)



- Red (68%)
- Yellow (72%)
- Blue (82%)



- Cyan (17%)
- Magenta (11%)
- Yellow (0%)
- Black (18%)



- Cyan (32%)
- Magenta (27%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.1428, 0.2863, 0.3011 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 49.1428, 0.2863, 0.3011 by changing the saturation by 10% instead.

■ 49.1428, 0.2863,
0.3011

■ 49.1428, 0.2863,
0.3011

■ 383.3042, 0.2993,
0.3149

■ 34.7328, 0.2831,
0.2977

■ 88.9035, 0.2910,
0.3061

■ 23.4571, 0.2791,
0.2934

■ 115.0230, 0.2928,
0.3079

■ 14.9314, 0.2737,
0.2878

■ 145.8144, 0.2943,
0.3095

■ 8.7712, 0.2664,
0.2801

■ 181.6621, 0.2956,
0.3109

■ 4.5923, 0.2557,
0.2688

■ 222.9506, 0.2967,
0.3121

■ 2.0101, 0.2389,
0.2510

■ 270.0641, 0.2977,

■ 0.6133, 0.2036,

0.3131

0.2137

323.3872, 0.2985,
0.3140

0.0000, 0.0000,
0.0000

49.1428, 0.2863,
0.3011

49.1428, 0.2863,
0.3011

41.6165, 0.2694,
0.2819

57.5547, 0.3024,
0.3184

34.9388, 0.2520,
0.2608

66.8751, 0.3175,
0.3338

29.0792, 0.2345,
0.2381

77.1338, 0.3315,
0.3473

24.0026, 0.2175,
0.2142

87.8684, 0.3426,
0.3594

19.6711, 0.2017,
0.1899

95.8466, 0.3404,
0.3718

■ 16.0430, 0.1878,
0.1660

■ 97.3832, 0.3400,
0.3741

■ 13.0715, 0.1765,
0.1434

■ 10.6994, 0.1682,
0.1231

■ 10.0342, 0.1658,
0.1170

Harmonies

Analogous

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



49.1428, 0.2799, 0.3090



49.1428, 0.2863, 0.3011



49.1428, 0.2997, 0.3006

Triad

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



49.1428, 0.2863, 0.3011



49.1428, 0.3444, 0.3340



49.1428, 0.3078, 0.3523

Complementary

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



49.1428, 0.2863, 0.3011



56.0627, 0.3402, 0.3554

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.



49.1428, 0.3252, 0.3591



49.1428, 0.2863, 0.3011



49.1428, 0.3466, 0.3479

Square

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



49.1428, 0.2863, 0.3011



49.1428, 0.3334, 0.3193



49.1428, 0.3395, 0.3573



49.1428, 0.2921, 0.3387

Rectangle

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



49.1428, 0.2863, 0.3011



49.1428, 0.3110, 0.3043



49.1428, 0.3395, 0.3573



49.1428, 0.3137, 0.3555

Sweetspot

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



49.1448, 0.2863, 0.3011



92.6635, 0.3050, 0.3212



58.5589, 0.2962, 0.3458



19.6194, 0.3039, 0.3200



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.



49.1448, 0.2863, 0.3011



72.8345, 0.2805, 0.2947



44.3312, 0.2888, 0.2845



12.1290, 0.2982, 0.3140



6.3614, 0.1666, 0.1196



0.5061, 0.1770, 0.1570

Inverse Universe

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



47.4005, 0.3330, 0.3133



69.7736, 0.3382, 0.3098



61.6195, 0.3345, 0.3708



11.8801, 0.3233, 0.3204



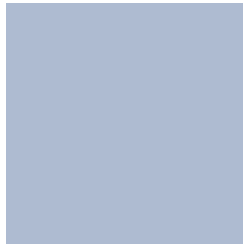
8.7135, 0.5471, 0.2788



0.5024, 0.4969, 0.2511

Previews

White Background



This preview shows how the Yxy color 49.1428, 0.2863, 0.3011 looks on a white background.

Color Contrast Check

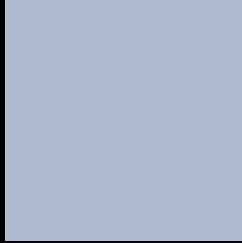
Large Text (above 18pt) WCAG AA × Fail

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 49.1428, 0.2863, 0.3011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

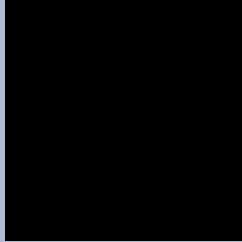
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

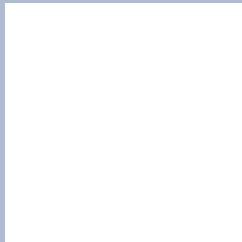
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.1428, 0.2863, 0.3011

Background



This preview shows how black text looks on a background with the Yxy color 49.1428, 0.2863, 0.3011.



This preview shows how white text looks on a background with the Yxy color 49.1428, 0.2863, 0.3011.

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

49.1428, 0.2863, 0.3011

Protanopia

49.2702, 0.2946, 0.3015

Deuteranopia

49.0383, 0.3003, 0.2937



Tritanopia

49.1625, 0.2898, 0.3097

Trichromacy



Original Color

49.1428, 0.2863, 0.3011

Protanomaly

49.3752, 0.2916, 0.3014

Deuteranomaly

48.9592, 0.2947, 0.2956

Tritanomaly

49.2585, 0.2884, 0.3072

Monochromacy



Original Color

49.1428, 0.2863, 0.3011

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.9579, 0.3033, 0.3188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1428, 0.2863, 0.3011 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, 187, 209)` looks like.

```
.text, #text, p{  
    color:rgb(174, 187, 209)  
}
```

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, 187, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 187, 209) }
```

Border

The CSS property to change the border of an element to Yxy 49.1428, 0.2863, 0.3011 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, 187, 209) }
```

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

```
.border{ border-color:rgb(174, 187, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 187, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(174, 187, 209); -webkit-box-shadow:4px 4px 4px 4px rgb(174, 187, 209); box-shadow:4px 4px 4px 4px rgb(174, 187, 209) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1428, 0.2863, 0.3011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 187, 209) }
```

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

```
.background{ background-color: rgb(174,  
187, 209) }
```

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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