

Converting Colors

$Yxy(50.0456, 0.2897, 0.3037)$

Have a look what the booklet for
Yxy(50.0456, 0.2897, 0.3037)
contains.

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Color

Yxy(49.9855, 0.2901, 0.3038)

Conversions

Conversions Part 1

Format	Color
Hex	B2BCD0
RGB	178, 188, 208
RGB Percent	70%, 74%, 82%
CMY	0.3019, 0.2627, 0.1842
CMYK	0.14, 0.10, 0.00, 0.18
HSL	220°, 24%, 76%
HSV	220°, 14%, 82%
XYZ	47.7314, 49.9855, 66.8174
YIQ	187.2900, -12.3800, 4.1000

Conversions

Conversions Part 2

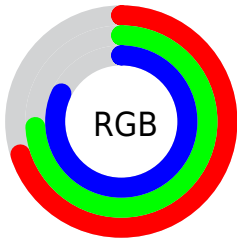
Format	Color
R_{YB}	178, 186, 208
Decimal	11713744
CIE Lab	76.06, 0.62, -11.23
CIE LCh	76, 11.249, 273.140
Yxy	49.9855, 0.2901, 0.3038
Android (android.graphics.Color)	4289903824 (0xFFB2BCD0)
YUV	187.2900, 10.2100, -8.1473
Hunter-Lab	70.7004, -3.2165, -6.5433

Details

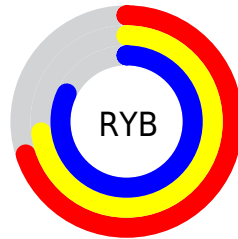
The Yxy color `49.9855, 0.2901, 0.3038` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `57.0275, 0.3358, 0.3530`, and the grayscale version is `49.8150, 0.3127, 0.3290`.

A 20% lighter version of the original color is `89.4138, 0.2999, 0.3180`, and `24.0210, 0.2835, 0.2967` is the 20% darker color. If you saturate the color by 10%, you get `42.0640, 0.2732, 0.2838`, and if you desaturate by 10%, it is `58.8543, 0.3060, 0.3217`.

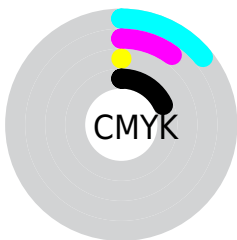
Distribution



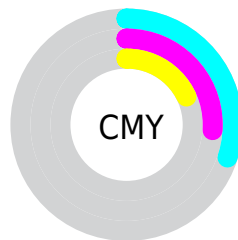
- Red (70%)
- Green (74%)
- Blue (82%)



- Red (70%)
- Yellow (73%)
- Blue (82%)



- Cyan (14%)
- Magenta (10%)
- Yellow (0%)
- Black (18%)



- Cyan (30%)
- Magenta (26%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9855, 0.2901, 0.3038 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 49.9855, 0.2901, 0.3038 by changing the saturation by 10% instead.

■ 49.9855, 0.2901,
0.3038

■ 49.9855, 0.2901,
0.3038

386.6092, 0.3012,
0.3162

■ 35.4019, 0.2874,
0.3008

■ 90.1534, 0.2941,
0.3083

■ 23.9726, 0.2839,
0.2969

116.5065, 0.2956,
0.3099

■ 15.3133, 0.2793,
0.2919

147.5514, 0.2969,
0.3114

■ 9.0396, 0.2731,
0.2850

183.6728, 0.2980,
0.3126

■ 4.7670, 0.2640,
0.2749

225.2548, 0.2990,
0.3137

■ 2.1112, 0.2496,
0.2591

272.6820, 0.2998,

■ 0.6709, 0.2212,

0.3146

0.2273

326.3387, 0.3006,
0.3154

0.0000, 0.0000,
0.0000

49.9855, 0.2901,
0.3038

49.9855, 0.2901,
0.3038

42.0640, 0.2732,
0.2838

58.8543, 0.3060,
0.3217

35.0509, 0.2555,
0.2617

68.6952, 0.3208,
0.3376

28.9135, 0.2376,
0.2379

79.5400, 0.3344,
0.3516

23.6146, 0.2199,
0.2128

90.2186, 0.3425,
0.3643

19.1141, 0.2032,
0.1871

97.3349, 0.3406,
0.3750

■ 15.3682, 0.1884,
0.1618

■ 12.3279, 0.1761,
0.1381

■ 9.9367, 0.1669,
0.1169

■ 8.8428, 0.1629,
0.1065

Harmonies

Analogous

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



49.9855, 0.2837, 0.3103



49.9855, 0.2901, 0.3038



49.9855, 0.3026, 0.3040

Triad

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



49.9855, 0.2901, 0.3038



49.9855, 0.3414, 0.3348



49.9855, 0.3069, 0.3487

Complementary

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



49.9855, 0.2901, 0.3038



57.0275, 0.3358, 0.3530

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.



49.9855, 0.3224, 0.3555



49.9855, 0.2901, 0.3038



49.9855, 0.3426, 0.3469

Square

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



49.9855, 0.2901, 0.3038



49.9855, 0.3323, 0.3216



49.9855, 0.3355, 0.3546



49.9855, 0.2933, 0.3363

Rectangle

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



49.9855, 0.2901, 0.3038



49.9855, 0.3128, 0.3077



49.9855, 0.3355, 0.3546



49.9855, 0.3121, 0.3517

Sweetspot

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



49.9876, 0.2901, 0.3038



93.8519, 0.3066, 0.3224



58.6642, 0.2975, 0.3414



19.8468, 0.3054, 0.3211



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.



49.9876, 0.2901, 0.3038



75.6028, 0.2855, 0.2985



46.4682, 0.2937, 0.2913



12.0516, 0.2982, 0.3131



5.6699, 0.1636, 0.1090



0.4617, 0.1741, 0.1466

Inverse Universe

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



48.8879, 0.3308, 0.3170



73.6677, 0.3349, 0.3146



61.0337, 0.3302, 0.3649



11.8722, 0.3239, 0.3213



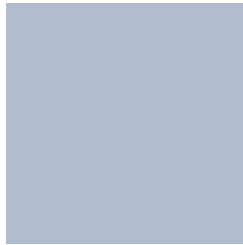
8.6436, 0.5625, 0.2872



0.4979, 0.5104, 0.2585

Previews

White Background



This preview shows how the Yxy color 49.9855, 0.2901, 0.3038 looks on a white background.

Color Contrast Check

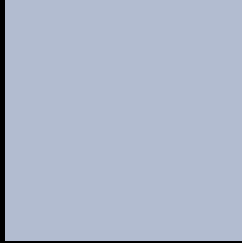
Large Text (above 18pt) WCAG AA × Fail

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 49.9855, 0.2901, 0.3038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

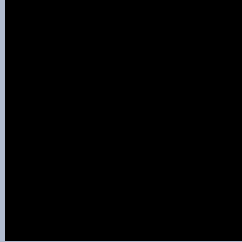
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.9855, 0.2901, 0.3038

Background



This preview shows how black text looks on a background with the Yxy color 49.9855, 0.2901, 0.3038.



This preview shows how white text looks on a background with the Yxy color 49.9855, 0.2901, 0.3038.

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

49.9855, 0.2901, 0.3038

Protanopia

49.9371, 0.2962, 0.3029

Deuteranopia

49.6614, 0.3027, 0.2962



Tritanopia

50.1019, 0.2922, 0.3100

Trichromacy



Original Color

49.9855, 0.2901, 0.3038

Protanomaly

49.9907, 0.2939, 0.3040

Deuteranomaly

49.7032, 0.2979, 0.2983

Tritanomaly

50.1501, 0.2915, 0.3087

Monochromacy



Original Color

49.9855, 0.2901, 0.3038

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.6711, 0.3042, 0.3189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9855, 0.2901, 0.3038 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(178, 188, 208)` looks like.

```
.text, #text, p{  
    color:rgb(178, 188, 208)  
}
```

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(178, 188, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 188, 208) }
```

Border

The CSS property to change the border of an element to Yxy 49.9855, 0.2901, 0.3038 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(178, 188, 208) }
```

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

```
.border{ border-color:rgb(178, 188, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 188, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 188, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 188, 208);  
box-shadow:4px 4px 4px 4px rgb(178, 188,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9855, 0.2901, 0.3038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 188, 208) }
```

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

```
.background{ background-color: rgb(178,  
188, 208) }
```

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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