

Converting Colors

$Yxy(49.0462, 0.2977, 0.3123)$

Have a look what the booklet for
Yxy(49.0462, 0.2977, 0.3123)
contains.

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Color

Yxy(48.9446, 0.2980, 0.3124)

Conversions

Conversions Part 1

Format	Color
Hex	B4BAC7
RGB	180, 186, 199
RGB Percent	71%, 73%, 78%
CMY	0.2942, 0.2706, 0.2195
CMYK	0.10, 0.07, 0.00, 0.22
HSL	221°, 15%, 74%
HSV	221°, 10%, 78%
XYZ	46.6885, 48.9446, 61.0397
YIQ	185.6880, -7.7490, 2.7710

Conversions

Conversions Part 2

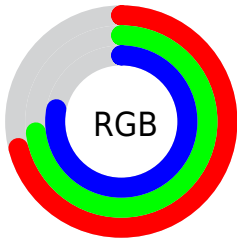
Format	Color
R _Y B	180, 185, 199
Decimal	11844295
CIE Lab	75.42, 0.47, -7.29
CIE LCh	75, 7.310, 273.719
Yxy	48.9446, 0.2980, 0.3124
Android (android.graphics.Color)	4290034375 (0xFFB4BAC7)
YUV	185.6880, 6.5628, -4.9884
Hunter-Lab	69.9604, -3.3077, -2.7576

Details

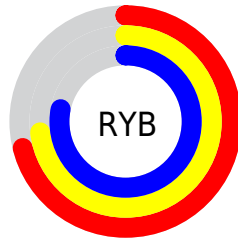
The Yxy color $48.9446, 0.2980, 0.3124$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $53.5815, 0.3276, 0.3451$, and the grayscale version is $48.8850, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.5571, 0.3012, 0.3160$, and $23.3314, 0.2939, 0.3082$ is the 20% darker color. If you saturate the color by 10%, you get $41.2656, 0.2815, 0.2930$, and if you desaturate by 10%, it is $57.5163, 0.3133, 0.3297$.

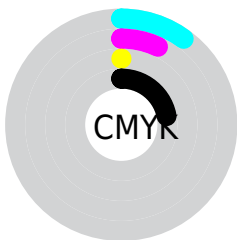
Distribution



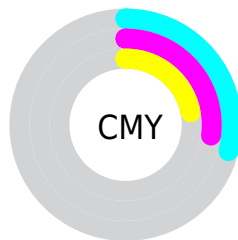
- Red (71%)
- Green (73%)
- Blue (78%)



- Red (71%)
- Yellow (73%)
- Blue (78%)



- Cyan (10%)
- Magenta (7%)
- Yellow (0%)
- Black (22%)



- Cyan (29%)
- Magenta (27%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9446, 0.2980, 0.3124 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 48.9446, 0.2980, 0.3124 by changing the saturation by 10% instead.

■ 48.9446, 0.2980,
0.3124

■ 48.9446, 0.2980,
0.3124

382.5242, 0.3053,
0.3206

■ 34.5755, 0.2962,
0.3104

■ 88.6092, 0.3006,
0.3154

■ 23.3361, 0.2939,
0.3078

114.6735, 0.3016,
0.3165

■ 14.8419, 0.2909,
0.3044

145.4049, 0.3025,
0.3174

■ 8.7085, 0.2867,
0.2997

181.1880, 0.3032,
0.3182

■ 4.5515, 0.2805,
0.2928

222.4071, 0.3038,
0.3190

■ 1.9866, 0.2705,
0.2816

269.4466, 0.3044,

■ 0.5997, 0.2466,

0.3196

0.2543

322.6908, 0.3049,
0.3201

0.0000, 0.0000,
0.0000

48.9446, 0.2980,
0.3124

48.9446, 0.2980,
0.3124

41.2656, 0.2815,
0.2930

57.5163, 0.3133,
0.3297

34.4436, 0.2641,
0.2714

67.0029, 0.3275,
0.3449

28.4490, 0.2462,
0.2479

77.4333, 0.3404,
0.3583

23.2485, 0.2281,
0.2228

87.9527, 0.3489,
0.3704

18.8060, 0.2107,
0.1968

96.2831, 0.3462,
0.3831

■ 15.0827, 0.1947,
0.1707

■ 96.9051, 0.3460,
0.3840

■ 12.0354, 0.1809,
0.1458

■ 9.6155, 0.1701,
0.1231

■ 7.7505, 0.1622,
0.1036

Harmonies

Analogous

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



48.9446, 0.2936, 0.3167



48.9446, 0.2980, 0.3124



48.9446, 0.3063, 0.3125

Triad

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



48.9446, 0.2980, 0.3124



48.9446, 0.3315, 0.3331



48.9446, 0.3088, 0.3417

Complementary

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



48.9446, 0.2980, 0.3124



53.5815, 0.3276, 0.3451

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.



48.9446, 0.3189, 0.3461



48.9446, 0.2980, 0.3124



48.9446, 0.3322, 0.3410

Square

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



48.9446, 0.2980, 0.3124



48.9446, 0.3257, 0.3243



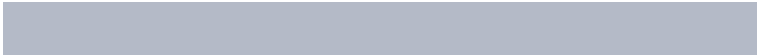
48.9446, 0.3275, 0.3458



48.9446, 0.2998, 0.3336

Rectangle

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



48.9446, 0.2980, 0.3124



48.9446, 0.3130, 0.3150



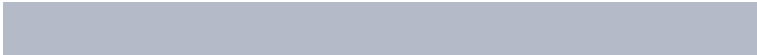
48.9446, 0.3275, 0.3458



48.9446, 0.3122, 0.3436

Sweetspot

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



48.9467, 0.2980, 0.3124



95.2872, 0.3082, 0.3239



54.4133, 0.3023, 0.3366



20.1311, 0.3069, 0.3225



0.0000, 0.0000, 0.0000



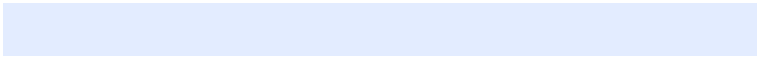
21.4041, 0.3127, 0.3290

Same Dimension

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



48.9467, 0.2980, 0.3124



83.4355, 0.2955, 0.3095



46.8823, 0.3008, 0.3048



10.8264, 0.2983, 0.3128



5.0775, 0.1626, 0.1053



0.3719, 0.1746, 0.1486

Inverse Universe

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



48.3246, 0.3243, 0.3216



82.2170, 0.3265, 0.3203



55.8313, 0.3240, 0.3525



10.6913, 0.3241, 0.3217



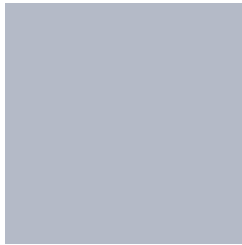
8.0526, 0.5680, 0.2903



0.3946, 0.5078, 0.2571

Previews

White Background



This preview shows how the Yxy color 48.9446, 0.2980, 0.3124 looks on a white background.

Color Contrast Check

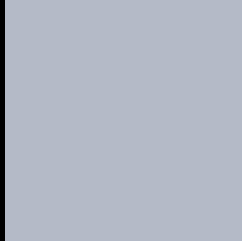
Large Text (above 18pt) WCAG AA × Fail

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 48.9446, 0.2980, 0.3124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

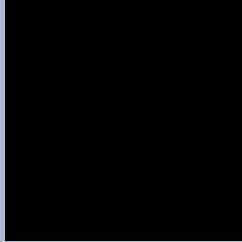
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

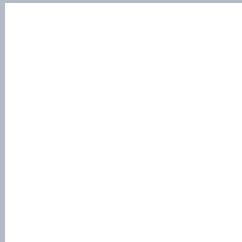
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.9446, 0.2980, 0.3124

Background



This preview shows how black text looks on a background with the Yxy color 48.9446, 0.2980, 0.3124.

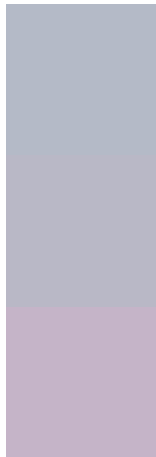


This preview shows how white text looks on a background with the Yxy color 48.9446, 0.2980, 0.3124.

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

48.9446, 0.2980, 0.3124

Protanopia

48.6725, 0.3028, 0.3113

Deuteranopia

48.6830, 0.3113, 0.3045



Tritanopia

48.9912, 0.2973, 0.3112

Trichromacy



Original Color

48.9446, 0.2980, 0.3124

Protanomaly

48.8424, 0.3012, 0.3125

Deuteranomaly

48.7024, 0.3062, 0.3066

Tritanomaly

48.9912, 0.2973, 0.3112

Monochromacy



Original Color

48.9446, 0.2980, 0.3124

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.0697, 0.3072, 0.3226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9446, 0.2980, 0.3124 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(180, 186, 199)` looks like.

```
.text, #text, p{  
    color:rgb(180, 186, 199)  
}
```

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(180, 186, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 186, 199) }
```

Border

The CSS property to change the border of an element to Yxy 48.9446, 0.2980, 0.3124 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(180, 186, 199) }
```

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

```
.border{ border-color:rgb(180, 186, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 186, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 186, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 186, 199);  
box-shadow:4px 4px 4px 4px rgb(180, 186,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9446, 0.2980, 0.3124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 186, 199) }
```

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

```
.background{ background-color: rgb(180,  
186, 199) }
```

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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