

Converting Colors

$Y_{xy}(50.4575, 0.2973, 0.3197)$

Have a look what the booklet for
Yxy(50.4575, 0.2973, 0.3197)
contains.

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Color

Yxy(50.3691, 0.2972, 0.3188)

Conversions

Conversions Part 1

Format	Color
Hex	B2BEC6
RGB	178, 190, 198
RGB Percent	70%, 75%, 78%
CMY	0.3022, 0.2548, 0.2235
CMYK	0.10, 0.04, 0.00, 0.22
HSL	204°, 15%, 74%
HSV	204°, 10%, 78%
XYZ	46.9564, 50.3691, 60.6704
YIQ	187.3240, -9.7200, -0.0560

Conversions

Conversions Part 2

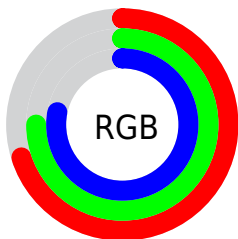
Format	Color
RYB	178, 186, 198
Decimal	11714246
CIELab	76.30, -2.56, -5.45
CIELCh	76, 6.018, 244.836
Yxy	50.3691, 0.2972, 0.3188
Android (android.graphics.Color)	4289904326 (0xFFB2BEC6)
YUV	187.3240, 5.2633, -8.1771
Hunter-Lab	70.9712, -6.0993, -1.0048

Details

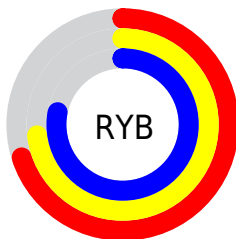
The Yxy color **50.3691, 0.2972, 0.3188** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.3017, 0.3293, 0.3390**, and the grayscale version is **49.8566, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6240, 0.2999, 0.3200**, and **24.2649, 0.2930, 0.3168** is the 20% darker color. If you saturate the color by 10%, you get **44.8761, 0.2816, 0.3076**, and if you desaturate by 10%, it is **56.3887, 0.3125, 0.3289**.

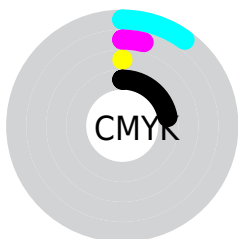
Distribution



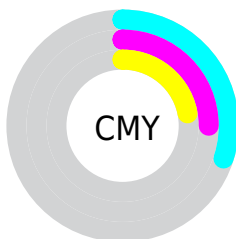
- Red (70%)
- Green (75%)
- Blue (78%)



- Red (70%)
- Yellow (73%)
- Blue (78%)



- Cyan (10%)
- Magenta (4%)
- Yellow (0%)
- Black (22%)



- Cyan (30%)
- Magenta (25%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.3691, 0.2972, 0.3188 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 50.3691, 0.2972, 0.3188 by changing the saturation by 10% instead.

■ 50.3691, 0.2972,
0.3188

■ 50.3691, 0.2972,
0.3188

388.1076, 0.3048,
0.3239

■ 35.7068, 0.2953,
0.3175

■ 90.7215, 0.2999,
0.3206

■ 24.2078, 0.2930,
0.3159

117.1804, 0.3010,
0.3213

■ 15.4878, 0.2898,
0.3138

148.3402, 0.3019,
0.3219

■ 9.1625, 0.2855,
0.3109

184.5854, 0.3026,
0.3224

■ 4.8473, 0.2792,
0.3065

226.3003, 0.3033,
0.3229

■ 2.1580, 0.2692,
0.2994

273.8694, 0.3039,

■ 0.6969, 0.2451,

0.3232

0.2848

327.6770, 0.3044,
0.3236

0.0000, 0.0000,
0.0000

50.3691, 0.2972,
0.3188

50.3691, 0.2972,
0.3188

44.8761, 0.2816,
0.3076

56.3887, 0.3125,
0.3289

39.8861, 0.2660,
0.2954

62.9449, 0.3274,
0.3379

35.3827, 0.2507,
0.2821

70.0555, 0.3416,
0.3459

31.3462, 0.2361,
0.2679

77.3265, 0.3535,
0.3531

27.7553, 0.2227,
0.2531

81.5964, 0.3518,
0.3608

■ 24.5863, 0.2108,
0.2378

■ 86.0642, 0.3502,
0.3684

■ 21.8128, 0.2007,
0.2224

■ 90.7324, 0.3486,
0.3759

■ 19.4039, 0.1928,
0.2071

■ 95.6035, 0.3470,
0.3832

■ 17.3280, 0.1868,
0.1925

■ 96.8570, 0.3466,
0.3850

Harmonies

Analogous

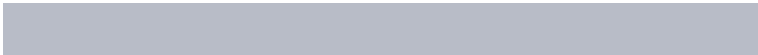
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.3691, 0.2976, 0.3251



50.3691, 0.2972, 0.3188



50.3691, 0.3009, 0.3154

Triad

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



50.3691, 0.2972, 0.3188



50.3691, 0.3235, 0.3255



50.3691, 0.3175, 0.3429

Complementary

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



50.3691, 0.2972, 0.3188



50.3017, 0.3293, 0.3390

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.



50.3691, 0.3246, 0.3428



50.3691, 0.2972, 0.3188



50.3691, 0.3281, 0.3327

Square

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



50.3691, 0.2972, 0.3188



50.3691, 0.3161, 0.3193



50.3691, 0.3285, 0.3390



50.3691, 0.3092, 0.3391

Rectangle

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



50.3691, 0.2972, 0.3188



50.3691, 0.3052, 0.3151



50.3691, 0.3285, 0.3390



50.3691, 0.3201, 0.3433

Sweetspot

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



50.3712, 0.2972, 0.3188



96.6517, 0.3081, 0.3261



53.3744, 0.3060, 0.3448



20.4991, 0.3069, 0.3252



0.0000, 0.0000, 0.0000



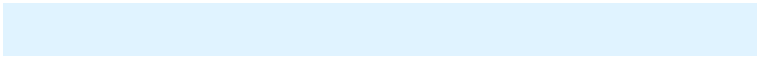
21.4041, 0.3127, 0.3290

Same Dimension

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



50.3712, 0.2972, 0.3188



87.1298, 0.2940, 0.3166



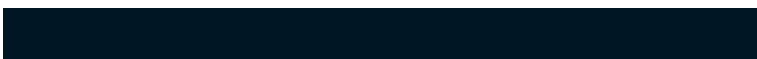
46.2927, 0.2971, 0.3062



11.3321, 0.2984, 0.3196



11.4403, 0.1874, 0.1944



0.6804, 0.1960, 0.2255

Inverse Universe

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



47.5426, 0.3203, 0.3141



81.2473, 0.3221, 0.3109



54.5427, 0.3279, 0.3509



10.7424, 0.3197, 0.3152



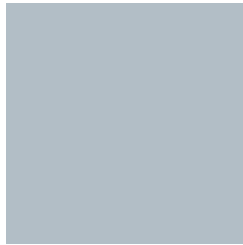
8.6949, 0.4516, 0.2262



0.4257, 0.4173, 0.2073

Previews

White Background



This preview shows how the Yxy color 50.3691, 0.2972, 0.3188 looks on a white background.

Color Contrast Check

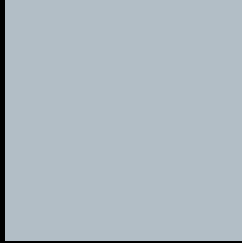
Large Text (above 18pt) WCAG AA × Fail

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 50.3691, 0.2972, 0.3188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

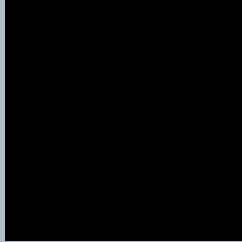
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

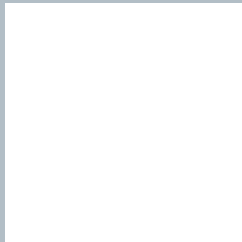
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.3691, 0.2972, 0.3188

Background



This preview shows how black text looks on a background with the Yxy color 50.3691, 0.2972, 0.3188.



This preview shows how white text looks on a background with the Yxy color 50.3691, 0.2972, 0.3188.

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

50.3691, 0.2972, 0.3188

Protanopia

50.3450, 0.3075, 0.3178

Deuteranopia

50.0435, 0.3146, 0.3072



Tritanopia

50.3385, 0.2937, 0.3101

Trichromacy



Original Color

50.3691, 0.2972, 0.3188

Protanomaly

50.3119, 0.3035, 0.3177

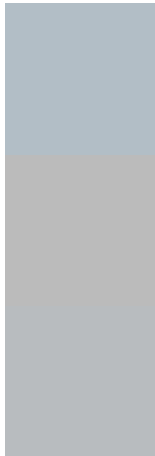
Deuteranomaly

50.1589, 0.3086, 0.3117

Tritanomaly

50.2432, 0.2951, 0.3125

Monochromacy



Original Color

50.3691, 0.2972, 0.3188

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.9184, 0.3072, 0.3252

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3691, 0.2972, 0.3188 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, 190, 198)` looks like.

```
.text, #text, p{  
    color:rgb(178, 190, 198)  
}
```

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, 190, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 190, 198) }
```

Border

The CSS property to change the border of an element to Yxy 50.3691, 0.2972, 0.3188 is called "border". The border property can be set on classes, ids or directly on the HTML element.

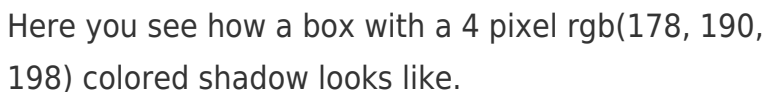
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 190, 198) }
```

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

```
.border{ border-color:rgb(178, 190, 198) }
```

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



Here you see how a box with a 4 pixel rgb(178, 190, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 190, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 190, 198);  
box-shadow:4px 4px 4px 4px rgb(178, 190,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3691, 0.2972, 0.3188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 190, 198) }
```

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

```
.background{ background-color: rgb(178,  
190, 198) }
```

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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