

Converting Colors

$Y_{xy}(50.9720, 0.2959, 0.3239)$

Have a look what the booklet for
Yxy(50.9720, 0.2959, 0.3239)
contains.

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Color

Yxy(50.7988, 0.2964, 0.3238)

Conversions

Conversions Part 1

Format	Color
Hex	AFC0C4
RGB	175, 192, 196
RGB Percent	69%, 75%, 77%
CMY	0.3136, 0.2471, 0.2313
CMYK	0.11, 0.02, 0.00, 0.23
HSL	191°, 15%, 73%
HSV	191°, 11%, 77%
XYZ	46.5002, 50.7988, 59.5843
YIQ	187.3730, -11.4160, -2.3600

Conversions

Conversions Part 2

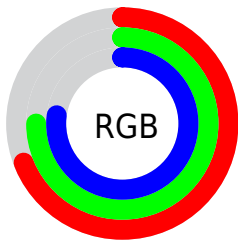
Format	Color
RYB	175, 184, 196
Decimal	11518148
CIELab	76.56, -4.97, -4.01
CIELCh	77, 6.386, 218.876
Yxy	50.7988, 0.2964, 0.3238
Android (android.graphics.Color)	4289708228 (0xFFAFC0C4)
YUV	187.3730, 4.2531, -10.8511
Hunter-Lab	71.2733, -8.2710, 0.3250

Details

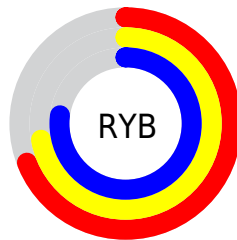
The Yxy color **50.7988, 0.2964, 0.3238** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.0980, 0.3309, 0.3341**, and the grayscale version is **49.9009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2156, 0.2992, 0.3240**, and **24.5558, 0.2919, 0.3237** is the 20% darker color. If you saturate the color by 10%, you get **47.0662, 0.2815, 0.3185**, and if you desaturate by 10%, it is **54.9070, 0.3116, 0.3287**.

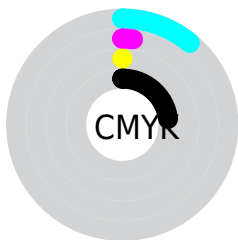
Distribution



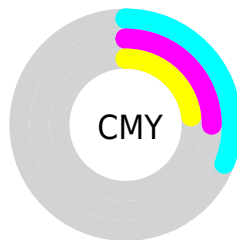
- Red (69%)
- Green (75%)
- Blue (77%)



- Red (69%)
- Yellow (72%)
- Blue (77%)



- Cyan (11%)
- Magenta (2%)
- Yellow (0%)
- Black (23%)



- Cyan (31%)
- Magenta (25%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.7988, 0.2964, 0.3238 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 50.7988, 0.2964, 0.3238 by changing the saturation by 10% instead.

■ 50.7988, 0.2964,
0.3238

■ 50.7988, 0.2964,
0.3238

389.7816, 0.3044,
0.3264

■ 36.0485, 0.2944,
0.3231

■ 91.3573, 0.2993,
0.3248

■ 24.4717, 0.2920,
0.3223

117.9343, 0.3004,
0.3251

■ 15.6839, 0.2887,
0.3212

149.2223, 0.3013,
0.3254

■ 9.3007, 0.2842,
0.3196

185.6057, 0.3021,
0.3257

■ 4.9379, 0.2776,
0.3172

227.4690, 0.3028,
0.3259

■ 2.2108, 0.2672,
0.3133

275.1965, 0.3034,

■ 0.7259, 0.2400,

0.3261

0.3064

329.1725, 0.3039,
0.3263

0.0000, 0.0000,
0.0000

50.7988, 0.2964,
0.3238

50.7988, 0.2964,
0.3238

47.0662, 0.2815,
0.3185

54.9070, 0.3116,
0.3287

43.6883, 0.2672,
0.3127

59.3980, 0.3270,
0.3331

40.6519, 0.2539,
0.3065

64.2868, 0.3421,
0.3370

37.9402, 0.2418,
0.3000

69.5854, 0.3570,
0.3405

35.5349, 0.2312,
0.2933

71.7207, 0.3574,
0.3443

■ 33.4159, 0.2224,
0.2864

■ 73.6059, 0.3565,
0.3481

■ 31.5598, 0.2155,
0.2794

■ 75.5351, 0.3557,
0.3519

■ 29.9393, 0.2105,
0.2725

■ 77.5084, 0.3548,
0.3556

■ 28.5951, 0.2073,
0.2661

■ 79.5262, 0.3540,
0.3593

Harmonies

Analogous

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



50.7988, 0.3005, 0.3317



50.7988, 0.2964, 0.3238



50.7988, 0.2966, 0.3175

Triad

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



50.7988, 0.2964, 0.3238



50.7988, 0.3174, 0.3195



50.7988, 0.3244, 0.3439

Complementary

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



50.7988, 0.2964, 0.3238



47.0980, 0.3309, 0.3341

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.



50.7988, 0.3291, 0.3403



50.7988, 0.2964, 0.3238



50.7988, 0.3250, 0.3263

Square

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



50.7988, 0.2964, 0.3238



50.7988, 0.3086, 0.3151



50.7988, 0.3293, 0.3339



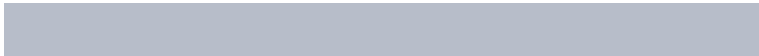
50.7988, 0.3166, 0.3434

Rectangle

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



50.7988, 0.2964, 0.3238



50.7988, 0.2991, 0.3150



50.7988, 0.3293, 0.3339



50.7988, 0.3264, 0.3431

Sweetspot

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



50.8009, 0.2964, 0.3238



97.6462, 0.3080, 0.3276



51.8534, 0.3086, 0.3513



20.7680, 0.3068, 0.3272



0.0000, 0.0000, 0.0000



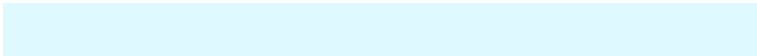
21.4041, 0.3127, 0.3290

Same Dimension

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



50.8009, 0.2964, 0.3238



90.2601, 0.2926, 0.3225



46.4306, 0.2962, 0.3104



11.0898, 0.2984, 0.3245



18.4914, 0.2075, 0.2671



0.8853, 0.2118, 0.2824

Inverse Universe

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



46.2189, 0.3172, 0.3079



80.2405, 0.3184, 0.3028



51.3887, 0.3294, 0.3470



10.2134, 0.3166, 0.3106



9.1490, 0.3756, 0.1843



0.4040, 0.3613, 0.1764

Previews

White Background



This preview shows how the Yxy color 50.7988, 0.2964, 0.3238 looks on a white background.

Color Contrast Check

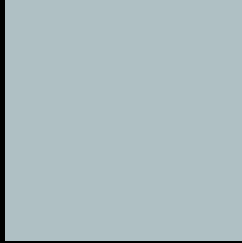
Large Text (above 18pt) WCAG AA × Fail

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 50.7988, 0.2964, 0.3238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

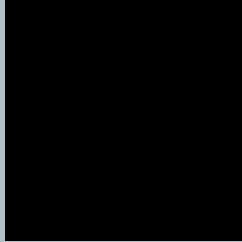
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

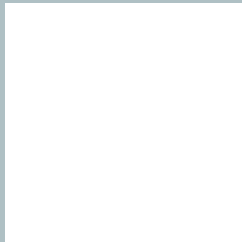
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.7988, 0.2964, 0.3238

Background



This preview shows how black text looks on a background with the Yxy color 50.7988, 0.2964, 0.3238.



This preview shows how white text looks on a background with the Yxy color 50.7988, 0.2964, 0.3238.

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

50.7988, 0.2964, 0.3238

Protanopia

50.8931, 0.3114, 0.3228

Deuteranopia

50.6407, 0.3178, 0.3109



Tritanopia

50.6303, 0.2908, 0.3088

Trichromacy



Original Color

50.7988, 0.2964, 0.3238

Protanomaly

50.6045, 0.3057, 0.3227

Deuteranomaly

50.4865, 0.3101, 0.3154

Tritanomaly

50.7560, 0.2929, 0.3150

Monochromacy



Original Color

50.7988, 0.2964, 0.3238

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

50.1802, 0.3071, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7988, 0.2964, 0.3238 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(175, 192, 196)` looks like.

```
.text, #text, p{  
    color:rgb(175, 192, 196)  
}
```

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(175, 192, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 192, 196) }
```

Border

The CSS property to change the border of an element to Yxy 50.7988, 0.2964, 0.3238 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(175, 192, 196) }
```

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

```
.border{ border-color:rgb(175, 192, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 192, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 192, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 192, 196);  
box-shadow:4px 4px 4px 4px rgb(175, 192,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7988, 0.2964, 0.3238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 192, 196) }
```

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

```
.background{ background-color: rgb(175,  
192, 196) }
```

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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