

Converting Colors

$Y_{xy}(50.7332, 0.2983, 0.3570)$

Have a look what the booklet for
Yxy(50.7332, 0.2983, 0.3570)
contains.

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Color

Yxy(50.5804, 0.2984, 0.3559)

Conversions

Conversions Part 1

Format	Color
Hex	A0C5B1
RGB	160, 197, 177
RGB Percent	63%, 77%, 69%
CMY	0.3723, 0.2275, 0.3058
CMYK	0.19, 0.00, 0.10, 0.23
HSL	148°, 24%, 70%
HSV	148°, 19%, 77%
XYZ	42.4085, 50.5804, 49.1308
YIQ	183.6570, -15.6320, -14.0640

Conversions

Conversions Part 2

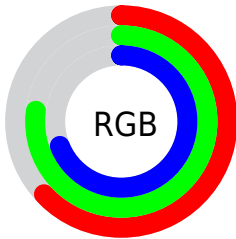
Format	Color
RYB	160, 185, 197
Decimal	10536369
CIELab	76.42, -16.31, 5.95
CIELCh	76, 17.363, 159.956
Yxy	50.5804, 0.2984, 0.3559
Android (android.graphics.Color)	4288726449 (0xFFA0C5B1)
YUV	183.6570, -3.2819, -20.7472
Hunter-Lab	71.1199, -18.0210, 8.8254

Details

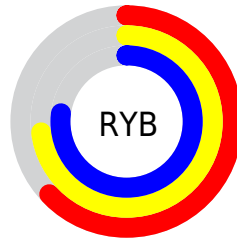
The Yxy color **50.5804, 0.2984, 0.3559** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.3264, 0.3301, 0.3036**, and the grayscale version is **47.7654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2139, 0.3007, 0.3509**, and **24.2883, 0.2947, 0.3644** is the 20% darker color. If you saturate the color by 10%, you get **48.3012, 0.2912, 0.3726**, and if you desaturate by 10%, it is **53.2187, 0.3060, 0.3409**.

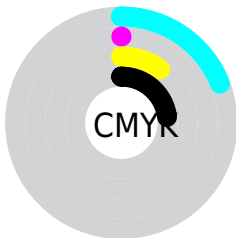
Distribution



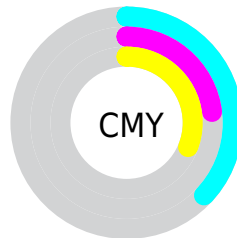
- Red (63%)
- Green (77%)
- Blue (69%)



- Red (63%)
- Yellow (73%)
- Blue (77%)



- Cyan (19%)
- Magenta (0%)
- Yellow (10%)
- Black (23%)



- Cyan (37%)
- Magenta (23%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.5804, 0.2984, 0.3559 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 50.5804, 0.2984, 0.3559 by changing the saturation by 10% instead.


 50.5804, 0.2984,
0.3559

 50.5804, 0.2984,
0.3559

388.9313, 0.3056,
0.3424

 35.8748, 0.2966,
0.3593


 91.0342, 0.3010,
0.3510

 24.3375, 0.2943,
0.3637


 117.5512, 0.3020,
0.3491

 15.5842, 0.2912,
0.3696


148.7742, 0.3028,
0.3476

 9.2304, 0.2868,
0.3778

185.0874, 0.3035,
0.3462

 4.8918, 0.2803,
0.3903

226.8753, 0.3042,
0.3451

 2.1839, 0.2694,
0.4112

274.5224, 0.3047,

 0.7112, 0.2062,

0.3441

0.5279

328.4129, 0.3052,
0.3432

0.0000, 0.0000,
0.0000

50.5804, 0.2984,
0.3559

50.5804, 0.2984,
0.3559

48.3012, 0.2912,
0.3726

53.2187, 0.3060,
0.3409

46.3590, 0.2847,
0.3908

56.2246, 0.3137,
0.3274

44.7386, 0.2792,
0.4104

59.6142, 0.3214,
0.3155

43.4216, 0.2750,
0.4310

63.4008, 0.3290,
0.3050

42.3872, 0.2725,
0.4521

66.9172, 0.3335,
0.2955

■ 41.6120, 0.2718,
0.4732

■ 67.5352, 0.3255,
0.2853

■ 41.0688, 0.2731,
0.4936

■ 68.1903, 0.3178,
0.2753

■ 40.7132, 0.2760,
0.5127

■ 68.4082, 0.3154,
0.2722

■ 40.6743, 0.2764,
0.5150

Harmonies

Analogous

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



50.5804, 0.3220, 0.3689



50.5804, 0.2984, 0.3559



50.5804, 0.2792, 0.3350

Triad

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



50.5804, 0.2984, 0.3559



50.5804, 0.2817, 0.2898



50.5804, 0.3586, 0.3419

Complementary

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



50.5804, 0.2984, 0.3559



40.3264, 0.3301, 0.3036

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.



50.5804, 0.3471, 0.3219



50.5804, 0.2984, 0.3559



50.5804, 0.3021, 0.2926

Square

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



50.5804, 0.2984, 0.3559



50.5804, 0.2698, 0.2970



50.5804, 0.3261, 0.3042



50.5804, 0.3573, 0.3596

Rectangle

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



50.5804, 0.2984, 0.3559



50.5804, 0.2711, 0.3202



50.5804, 0.3261, 0.3042



50.5804, 0.3561, 0.3352

Sweetspot

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



50.5825, 0.2984, 0.3559



96.6913, 0.3080, 0.3371



52.2160, 0.3267, 0.3772



20.6221, 0.3075, 0.3380



0.0000, 0.0000, 0.0000



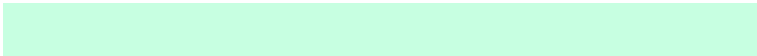
21.4041, 0.3127, 0.3290

Same Dimension

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



50.5825, 0.2984, 0.3559



89.0663, 0.2958, 0.3617



51.3542, 0.2861, 0.3314



11.9675, 0.3055, 0.3418



26.7727, 0.2757, 0.5126



1.2823, 0.2645, 0.4721

Inverse Universe

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



40.3264, 0.3301, 0.3036



67.7313, 0.3341, 0.2985



39.6351, 0.3472, 0.3267



10.7313, 0.3207, 0.3166



8.5165, 0.4769, 0.2401



0.4178, 0.4358, 0.2174

Previews

White Background



This preview shows how the Yxy color 50.5804, 0.2984, 0.3559 looks on a white background.

Color Contrast Check

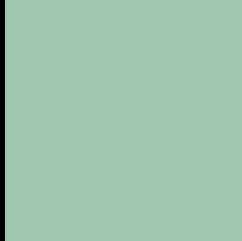
Large Text (above 18pt) WCAG AA × Fail

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 50.5804, 0.2984, 0.3559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

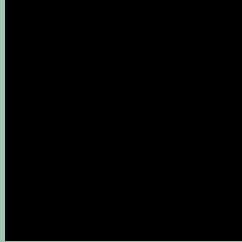
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

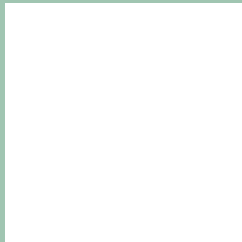
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.5804, 0.2984, 0.3559

Background



This preview shows how black text looks on a background with the Yxy color 50.5804, 0.2984, 0.3559.



This preview shows how white text looks on a background with the Yxy color 50.5804, 0.2984, 0.3559.

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

50.5804, 0.2984, 0.3559

Protanopia

50.1213, 0.3313, 0.3480

Deuteranopia

50.3065, 0.3378, 0.3315



Tritanopia

50.8010, 0.2815, 0.3097

Trichromacy



Original Color

50.5804, 0.2984, 0.3559

Protanomaly

50.2627, 0.3182, 0.3511

Deuteranomaly

49.8717, 0.3223, 0.3392

Tritanomaly

50.5073, 0.2875, 0.3250

Monochromacy



Original Color

50.5804, 0.2984, 0.3559

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.8453, 0.3073, 0.3395

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.5804, 0.2984, 0.3559 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(160, 197, 177)` looks like.

```
.text, #text, p{  
    color:rgb(160, 197, 177)  
}
```

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(160, 197, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 197, 177) }
```

Border

The CSS property to change the border of an element to Yxy 50.5804, 0.2984, 0.3559 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(160, 197, 177) }
```

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

```
.border{ border-color:rgb(160, 197, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 197, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 197, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 197, 177);  
box-shadow:4px 4px 4px 4px rgb(160, 197,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 50.5804, 0.2984, 0.3559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 197, 177) }
```

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

```
.background{ background-color: rgb(160,  
197, 177) }
```

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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