

Converting Colors

$Y_{xy}(49.2193, 0.3154, 0.3470)$

Have a look what the booklet for
Yxy(49.2193, 0.3154, 0.3470)
contains.

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Color

Yxy(49.1936, 0.3160, 0.3473)

Conversions

Conversions Part 1

Format	Color
Hex	B4BDAF
RGB	180, 189, 175
RGB Percent	71%, 74%, 69%
CMY	0.2941, 0.2588, 0.3137
CMYK	0.05, 0.00, 0.07, 0.26
HSL	99°, 10%, 71%
HSV	99°, 7%, 74%
XYZ	44.7601, 49.1936, 47.6922
YIQ	184.7130, -0.8700, -6.2620

Conversions

Conversions Part 2

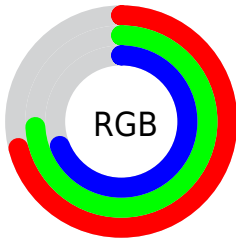
Format	Color
RYB	175, 189, 184
Decimal	11845039
CIELab	75.57, -5.70, 5.99
CIElCh	76, 8.272, 133.569
Yxy	49.1936, 0.3160, 0.3473
Android (android.graphics.Color)	4290035119 (0xFFB4BDAF)
YUV	184.7130, -4.7885, -4.1333
Hunter-Lab	70.1381, -8.8284, 8.7810

Details

The Yxy color **49.1936, 0.3160, 0.3473** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.5219, 0.3092, 0.3109**, and the grayscale version is **48.3775, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9072, 0.3153, 0.3432**, and **23.5504, 0.3161, 0.3523** is the 20% darker color. If you saturate the color by 10%, you get **47.1116, 0.3203, 0.3742**, and if you desaturate by 10%, it is **51.5112, 0.3116, 0.3229**.

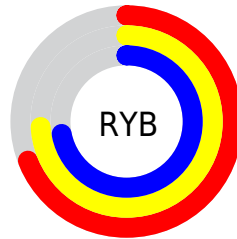
Distribution



Red (71%)

Green (74%)

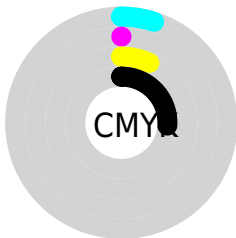
Blue (69%)



Red (69%)

Yellow (74%)

Blue (72%)

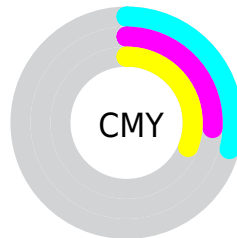


Cyan (5%)

Magenta (0%)

Yellow (7%)

Black (26%)



Cyan (29%)

Magenta (26%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.1936, 0.3160, 0.3473 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 49.1936, 0.3160, 0.3473 by changing the saturation by 10% instead.

■ 49.1936, 0.3160,
0.3473

■ 49.1936, 0.3160,
0.3473

383.5040, 0.3144,
0.3381

■ 34.7731, 0.3164,
0.3496

■ 88.9789, 0.3154,
0.3440

■ 23.4881, 0.3168,
0.3525

115.1125, 0.3152,
0.3427

■ 14.9544, 0.3175,
0.3565

145.9193, 0.3150,
0.3417

■ 8.7874, 0.3183,
0.3620

181.7835, 0.3149,
0.3408

■ 4.6027, 0.3194,
0.3703

223.0898, 0.3147,
0.3400

■ 2.0161, 0.3211,
0.3841

270.2223, 0.3146,

■ 0.6168, 0.3396,

0.3393

0.4685

323.5656, 0.3145,
0.3387

0.0000, 0.0000,
0.0000

49.1936, 0.3160,
0.3473

49.1936, 0.3160,
0.3473

47.1116, 0.3203,
0.3742

51.5112, 0.3116,
0.3229

45.2512, 0.3243,
0.4033

54.0652, 0.3072,
0.3011

43.6067, 0.3278,
0.4341

56.8645, 0.3029,
0.2817

42.1695, 0.3303,
0.4657

59.9158, 0.2989,
0.2645

40.9305, 0.3316,
0.4967

62.2559, 0.3049,
0.2622

■ 39.8800, 0.3313,
0.5254

■ 64.4578, 0.3141,
0.2640

■ 39.0069, 0.3294,
0.5500

■ 64.8755, 0.3157,
0.2644

■ 38.2991, 0.3257,
0.5689

■ 37.7406, 0.3208,
0.5817

Harmonies

Analogous

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



49.1936, 0.3266, 0.3488



49.1936, 0.3160, 0.3473



49.1936, 0.3047, 0.3407

Triad

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



49.1936, 0.3160, 0.3473



49.1936, 0.2922, 0.3130



49.1936, 0.3301, 0.3269

Complementary

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



49.1936, 0.3160, 0.3473



44.5219, 0.3092, 0.3109

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.



49.1936, 0.3206, 0.3178



49.1936, 0.3160, 0.3473



49.1936, 0.2988, 0.3098

Square

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



49.1936, 0.3160, 0.3473



49.1936, 0.2911, 0.3206



49.1936, 0.3091, 0.3115



49.1936, 0.3349, 0.3368

Rectangle

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



49.1936, 0.3160, 0.3473



49.1936, 0.2982, 0.3343



49.1936, 0.3091, 0.3115



49.1936, 0.3273, 0.3237

Sweetspot

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



49.1957, 0.3160, 0.3473



90.2863, 0.3136, 0.3339



48.1395, 0.3241, 0.3404



19.4250, 0.3136, 0.3336



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



49.1957, 0.3160, 0.3473



87.4318, 0.3168, 0.3518



48.6782, 0.3104, 0.3450



10.8115, 0.3169, 0.3523



25.3474, 0.3204, 0.5838



1.0301, 0.3403, 0.5680

Inverse Universe

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



44.5219, 0.3092, 0.3109



77.2202, 0.3083, 0.3065



45.0719, 0.3151, 0.3135



9.5207, 0.3082, 0.3060



5.2650, 0.2335, 0.1060



0.2418, 0.2549, 0.1178

Previews

White Background



This preview shows how the Yxy color 49.1936, 0.3160, 0.3473 looks on a white background.

Color Contrast Check

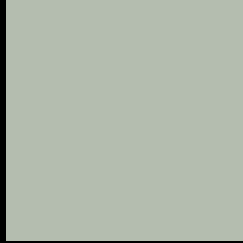
Large Text (above 18pt) WCAG AA × Fail

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 49.1936, 0.3160, 0.3473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

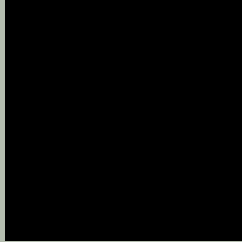
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

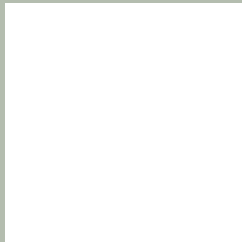
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.1936, 0.3160, 0.3473

Background



This preview shows how black text looks on a background with the Yxy color 49.1936, 0.3160, 0.3473.



This preview shows how white text looks on a background with the Yxy color 49.1936, 0.3160, 0.3473.

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

49.1936, 0.3160, 0.3473

Protanopia

48.9215, 0.3282, 0.3443

Deuteranopia

49.0822, 0.3389, 0.3327



Tritanopia

49.0584, 0.3005, 0.3101

Trichromacy



Original Color

49.1936, 0.3160, 0.3473

Protanomaly

48.8652, 0.3238, 0.3445

Deuteranomaly

48.8719, 0.3304, 0.3378

Tritanomaly

48.9467, 0.3064, 0.3226

Monochromacy



Original Color

49.1936, 0.3160, 0.3473

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.5213, 0.3141, 0.3355

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1936, 0.3160, 0.3473 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, 189, 175)` looks like.

```
.text, #text, p{  
    color:rgb(180, 189, 175)  
}
```

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, 189, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 189, 175) }
```

Border

The CSS property to change the border of an element to Yxy 49.1936, 0.3160, 0.3473 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, 189, 175) }
```

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

```
.border{ border-color:rgb(180, 189, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 189, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 189, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 189, 175);  
box-shadow:4px 4px 4px 4px rgb(180, 189,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1936, 0.3160, 0.3473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 189, 175) }
```

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

```
.background{ background-color: rgb(180,  
189, 175) }
```

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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