

Converting Colors

$Y_{xy}(47.8755, 0.3066, 0.3369)$

Have a look what the booklet for
Yxy(47.8755, 0.3066, 0.3369)
contains.

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Color

Yxy(47.8755, 0.3066, 0.3369)

Conversions

Conversions Part 1

Format	Color
Hex	AEBBB5
RGB	174, 187, 181
RGB Percent	68%, 73%, 71%
CMY	0.3176, 0.2667, 0.2902
CMYK	0.07, 0.00, 0.03, 0.27
HSL	152°, 9%, 71%
HSV	152°, 7%, 73%
XYZ	43.5697, 47.8755, 50.6608
YIQ	182.4290, -5.8220, -4.6220

Conversions

Conversions Part 2

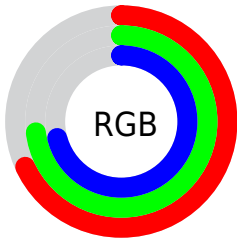
Format	Color
RYB	174, 182, 187
Decimal	11451317
CIELab	74.75, -5.62, 1.48
CIELCh	75, 5.816, 165.234
Yxy	47.8755, 0.3066, 0.3369
Android (android.graphics.Color)	4289641397 (0xFFAE BBB5)
YUV	182.4290, -0.7045, -7.3922
Hunter-Lab	69.1921, -8.6863, 5.0238

Details

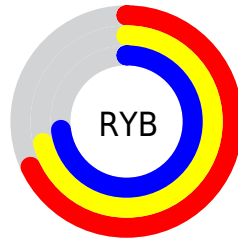
The Yxy color $47.8755, 0.3066, 0.3369$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $44.1410, 0.3193, 0.3212$, and the grayscale version is $47.0342, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.8736, 0.3073, 0.3351$, and $22.7463, 0.3055, 0.3399$ is the 20% darker color. If you saturate the color by 10%, you get $45.5330, 0.2980, 0.3494$, and if you desaturate by 10%, it is $50.5431, 0.3154, 0.3257$.

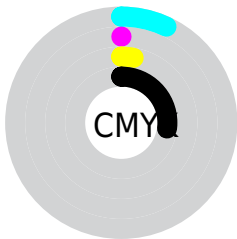
Distribution



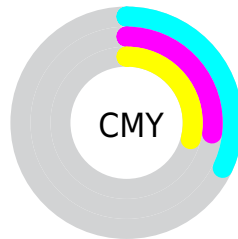
- Red (68%)
- Green (73%)
- Blue (71%)



- Red (68%)
- Yellow (71%)
- Blue (73%)



- Cyan (7%)
- Magenta (0%)
- Yellow (3%)
- Black (27%)



- Cyan (32%)
- Magenta (27%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.8755, 0.3066, 0.3369 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 47.8755, 0.3066, 0.3369 by changing the saturation by 10% instead.

■ 47.8755, 0.3066,
0.3369

■ 47.8755, 0.3066,
0.3369

378.2984, 0.3097,
0.3330

■ 33.7283, 0.3058,
0.3379

■ 87.0190, 0.3077,
0.3355

■ 22.6850, 0.3049,
0.3392

112.7841, 0.3081,
0.3349

■ 14.3611, 0.3035,
0.3409

143.1906, 0.3085,
0.3345

■ 8.3722, 0.3017,
0.3432

178.6230, 0.3088,
0.3341

■ 4.3340, 0.2990,
0.3468

219.4655, 0.3090,
0.3337

■ 1.8621, 0.2944,
0.3528

266.1027, 0.3093,

■ 0.5254, 0.2671,

0.3334

0.3875

318.9189, 0.3095,
0.3332

0.0000, 0.0000,
0.0000

47.8755, 0.3066,
0.3369

47.8755, 0.3066,
0.3369

45.5330, 0.2980,
0.3494

50.5431, 0.3154,
0.3257

43.4968, 0.2898,
0.3632

53.5417, 0.3243,
0.3158

41.7554, 0.2823,
0.3783

56.8845, 0.3330,
0.3070

40.2942, 0.2758,
0.3946

60.5825, 0.3414,
0.2993

39.0975, 0.2706,
0.4118

62.1933, 0.3395,
0.2912

■ 38.1476, 0.2671,
0.4296

■ 62.6748, 0.3326,
0.2829

■ 37.4249, 0.2655,
0.4476

■ 63.1805, 0.3259,
0.2747

■ 36.9065, 0.2658,
0.4655

■ 63.7107, 0.3194,
0.2668

■ 36.5609, 0.2680,
0.4827

■ 64.0202, 0.3158,
0.2624

Harmonies

Analogous

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



47.8755, 0.3146, 0.3417



47.8755, 0.3066, 0.3369



47.8755, 0.3003, 0.3299

Triad

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



47.8755, 0.3066, 0.3369



47.8755, 0.3032, 0.3153



47.8755, 0.3285, 0.3349

Complementary

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



47.8755, 0.3066, 0.3369



44.1410, 0.3193, 0.3212

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.



47.8755, 0.3253, 0.3280



47.8755, 0.3066, 0.3369



47.8755, 0.3107, 0.3167

Square

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



47.8755, 0.3066, 0.3369



47.8755, 0.2983, 0.3174



47.8755, 0.3188, 0.3213



47.8755, 0.3273, 0.3405

Rectangle

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



47.8755, 0.3066, 0.3369



47.8755, 0.2978, 0.3250



47.8755, 0.3188, 0.3213



47.8755, 0.3279, 0.3327

Sweetspot

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



47.8775, 0.3066, 0.3369



88.0194, 0.3109, 0.3313



48.3096, 0.3170, 0.3460



19.3942, 0.3110, 0.3311



95.5105, 0.3127, 0.3290



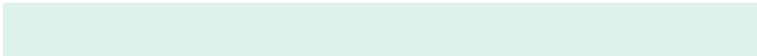
19.5994, 0.3127, 0.3290

Same Dimension

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



47.8775, 0.3066, 0.3369



85.2205, 0.3056, 0.3383



47.9458, 0.3021, 0.3284



10.7331, 0.3045, 0.3398



25.1444, 0.2683, 0.4858



0.9980, 0.2568, 0.4445

Inverse Universe

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



44.1410, 0.3193, 0.3212



77.4437, 0.3205, 0.3199



44.0692, 0.3243, 0.3296



9.6078, 0.3218, 0.3184



7.7611, 0.5093, 0.2579



0.3172, 0.4527, 0.2268

Previews

White Background



This preview shows how the Yxy color 47.8755, 0.3066, 0.3369 looks on a white background.

Color Contrast Check

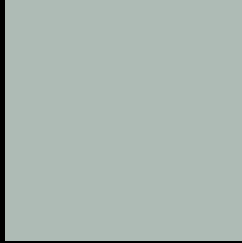
Large Text (above 18pt) WCAG AA × Fail

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 47.8755, 0.3066, 0.3369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

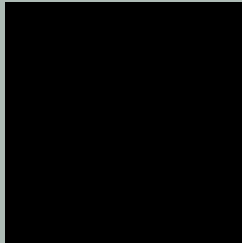
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

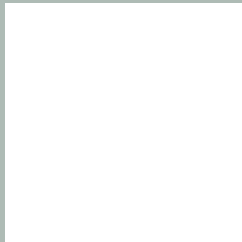
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.8755, 0.3066, 0.3369

Background



This preview shows how black text looks on a background with the Yxy color 47.8755, 0.3066, 0.3369.



This preview shows how white text looks on a background with the Yxy color 47.8755, 0.3066, 0.3369.

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

47.8755, 0.3066, 0.3369

Protanopia

47.8130, 0.3202, 0.3342

Deuteranopia

47.8162, 0.3297, 0.3229



Tritanopia

47.7516, 0.2956, 0.3097

Trichromacy



Original Color

47.8755, 0.3066, 0.3369

Protanomaly

47.6435, 0.3150, 0.3342

Deuteranomaly

47.6316, 0.3214, 0.3278

Tritanomaly

47.7338, 0.3000, 0.3199

Monochromacy



Original Color

47.8755, 0.3066, 0.3369

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.2421, 0.3101, 0.3316

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8755, 0.3066, 0.3369 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(174, 187, 181)` looks like.

```
.text, #text, p{  
    color:rgb(174, 187, 181)  
}
```

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(174, 187, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 187, 181) }
```

Border

The CSS property to change the border of an element to Yxy 47.8755, 0.3066, 0.3369 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(174, 187, 181) }
```

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

```
.border{ border-color:rgb(174, 187, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 187, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 187, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 187, 181);  
box-shadow:4px 4px 4px 4px rgb(174, 187,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8755, 0.3066, 0.3369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 187, 181) }
```

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

```
.background{ background-color: rgb(174,  
187, 181) }
```

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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