

Converting Colors

$Y_{xy}(47.9755, 0.3146, 0.3572)$

Have a look what the booklet for
Yxy(47.9755, 0.3146, 0.3572)
contains.

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Color

Yxy(47.9930, 0.3147, 0.3572)

Conversions

Conversions Part 1

Format	Color
Hex	ACBDA8
RGB	172, 189, 168
RGB Percent	67%, 74%, 66%
CMY	0.3254, 0.2588, 0.3412
CMYK	0.09, 0.00, 0.11, 0.26
HSL	109°, 14%, 70%
HSV	109°, 11%, 74%
XYZ	42.2827, 47.9930, 44.0832
YIQ	181.5230, -3.3910, -10.1350

Conversions

Conversions Part 2

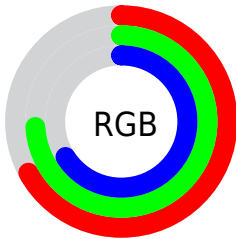
Format	Color
RYB	168, 189, 185
Decimal	11320744
CIELab	74.82, -9.78, 8.63
CIELCh	75, 13.041, 138.564
Yxy	47.9930, 0.3147, 0.3572
Android (android.graphics.Color)	4289510824 (0xFFACBDA8)
YUV	181.5230, -6.6668, -8.3517
Hunter-Lab	69.2770, -12.2884, 10.7658

Details

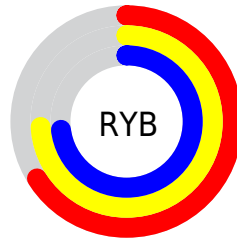
The Yxy color $47.9930, 0.3147, 0.3572$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $41.9935, 0.3104, 0.3018$, and the grayscale version is $46.5477, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.9634, 0.3142, 0.3519$, and $22.8623, 0.3154, 0.3660$ is the 20% darker color. If you saturate the color by 10%, you get $45.7097, 0.3163, 0.3857$, and if you desaturate by 10%, it is $50.5817, 0.3129, 0.3316$.

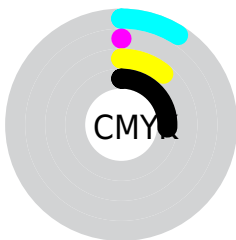
Distribution



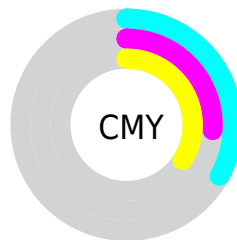
- Red (67%)
- Green (74%)
- Blue (66%)



- Red (66%)
- Yellow (74%)
- Blue (73%)



- Cyan (9%)
- Magenta (0%)
- Yellow (11%)
- Black (26%)





- Cyan (33%)
- Magenta (26%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.9930, 0.3147, 0.3572 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 47.9930, 0.3147, 0.3572 by changing the saturation by 10% instead.

 47.9930, 0.3147,
0.3572


 47.9930, 0.3147,
0.3572


378.7644, 0.3138,
0.3429

 33.8213, 0.3149,
0.3608


 87.1940, 0.3144,
0.3520

 22.7564, 0.3151,
0.3655

 112.9921, 0.3143,
0.3500

 14.4137, 0.3153,
0.3718


143.4345, 0.3142,
0.3484

 8.4090, 0.3155,
0.3807

178.9055, 0.3141,
0.3470

 4.3577, 0.3157,
0.3943

219.7897, 0.3140,
0.3458

 1.8756, 0.3155,
0.4175

266.4713, 0.3140,

 0.5337, 0.3348,

0.3447

0.6652

319.3347, 0.3139,
0.3438

0.0000, 0.0000,
0.0000

47.9930, 0.3147,
0.3572

47.9930, 0.3147,
0.3572

45.7097, 0.3163,
0.3857

50.5817, 0.3129,
0.3316

43.7145, 0.3175,
0.4168

53.4801, 0.3110,
0.3090

41.9977, 0.3182,
0.4498

56.7003, 0.3091,
0.2891

40.5467, 0.3182,
0.4834

60.2518, 0.3073,
0.2718

39.3478, 0.3173,
0.5160

63.6510, 0.3108,
0.2633

■ 38.3861, 0.3155,
0.5452

■ 64.8744, 0.3157,
0.2644

■ 37.6452, 0.3128,
0.5690

■ 37.1063, 0.3094,
0.5857

■ 36.7725, 0.3063,
0.5950

Harmonies

Analogous

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



47.9930, 0.3322, 0.3608



47.9930, 0.3147, 0.3572



47.9930, 0.2971, 0.3453

Triad

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



47.9930, 0.3147, 0.3572



47.9930, 0.2815, 0.3022



47.9930, 0.3423, 0.3281

Complementary

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



47.9930, 0.3147, 0.3572



41.9935, 0.3104, 0.3018

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.



47.9930, 0.3281, 0.3134



47.9930, 0.3147, 0.3572



47.9930, 0.2930, 0.2986

Square

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



47.9930, 0.3147, 0.3572



47.9930, 0.2783, 0.3130



47.9930, 0.3099, 0.3028



47.9930, 0.3485, 0.3434

Rectangle

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



47.9930, 0.3147, 0.3572



47.9930, 0.2875, 0.3345



47.9930, 0.3099, 0.3028



47.9930, 0.3383, 0.3230

Sweetspot

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



47.9951, 0.3147, 0.3572



89.6516, 0.3133, 0.3364



48.2601, 0.3297, 0.3507



19.1962, 0.3134, 0.3384



95.5105, 0.3127, 0.3290



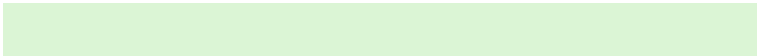
19.5994, 0.3127, 0.3290

Same Dimension

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



47.9951, 0.3147, 0.3572



85.0571, 0.3151, 0.3629



47.7877, 0.3067, 0.3488



10.7351, 0.3144, 0.3525



24.7677, 0.3069, 0.5945



0.9970, 0.3227, 0.5819

Inverse Universe

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



41.9935, 0.3104, 0.3018



72.4570, 0.3099, 0.2965



42.2326, 0.3193, 0.3100



9.6015, 0.3108, 0.3062



7.0492, 0.2735, 0.1280



0.3003, 0.2855, 0.1346

Previews

White Background



This preview shows how the Yxy color 47.9930, 0.3147, 0.3572 looks on a white background.

Color Contrast Check

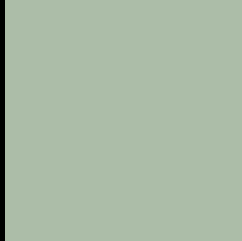
Large Text (above 18pt) WCAG AA × Fail

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 47.9930, 0.3147, 0.3572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

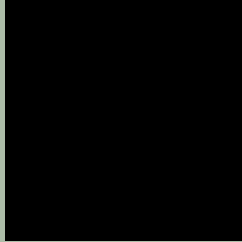
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.9930, 0.3147, 0.3572

Background



This preview shows how black text looks on a background with the Yxy color 47.9930, 0.3147, 0.3572.



This preview shows how white text looks on a background with the Yxy color 47.9930, 0.3147, 0.3572.

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

47.9930, 0.3147, 0.3572

Protanopia

47.7901, 0.3351, 0.3522

Deuteranopia

47.6120, 0.3455, 0.3377



Tritanopia

47.7516, 0.2956, 0.3097

Trichromacy



Original Color

47.9930, 0.3147, 0.3572

Protanomaly

47.7654, 0.3278, 0.3539

Deuteranomaly

47.3817, 0.3339, 0.3444

Tritanomaly

47.8626, 0.3022, 0.3264

Monochromacy



Original Color

47.9930, 0.3147, 0.3572

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.3372, 0.3131, 0.3395

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.9930, 0.3147, 0.3572 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(172, 189, 168)` looks like.

```
.text, #text, p{  
    color:rgb(172, 189, 168)  
}
```

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(172, 189, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 189, 168) }
```

Border

The CSS property to change the border of an element to Yxy 47.9930, 0.3147, 0.3572 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(172, 189, 168) }
```

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

```
.border{ border-color:rgb(172, 189, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 189, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 189, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 189, 168);  
box-shadow:4px 4px 4px 4px rgb(172, 189,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 47.9930, 0.3147, 0.3572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 189, 168) }
```

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

```
.background{ background-color: rgb(172,  
189, 168) }
```

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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