

Converting Colors

$Yxy(49.7381, 0.3113, 0.3583)$

Have a look what the booklet for
Yxy(49.7381, 0.3113, 0.3583)
contains.

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Color

Yxy(49.7381, 0.3113, 0.3583)

Conversions

Conversions Part 1

Format	Color
Hex	ABC1AB
RGB	171, 193, 171
RGB Percent	67%, 76%, 67%
CMY	0.3295, 0.2431, 0.3293
CMYK	0.11, 0.00, 0.11, 0.24
HSL	120°, 15%, 71%
HSV	120°, 11%, 76%
XYZ	43.2137, 49.7381, 45.8651
YIQ	183.9140, -6.0500, -11.5060

Conversions

Conversions Part 2

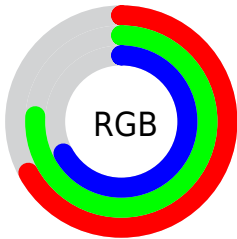
Format	Color
RYB	171, 193, 193
Decimal	11256235
CIELab	75.91, -11.68, 8.54
CIElCh	76, 14.472, 143.842
Yxy	49.7381, 0.3113, 0.3583
Android (android.graphics.Color)	4289446315 (0xFFABC1AB)
YUV	183.9140, -6.3666, -11.3256
Hunter-Lab	70.5252, -14.0449, 10.8092

Details

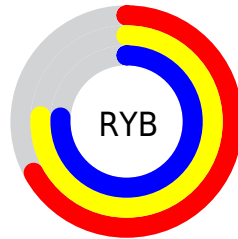
The Yxy color **49.7381, 0.3113, 0.3583** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.3044, 0.3141, 0.3013**, and the grayscale version is **47.9212, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4111, 0.3116, 0.3528**, and **23.7191, 0.3110, 0.3657** is the 20% darker color. If you saturate the color by 10%, you get **47.0473, 0.3099, 0.3877**, and if you desaturate by 10%, it is **52.8566, 0.3126, 0.3324**.

Distribution



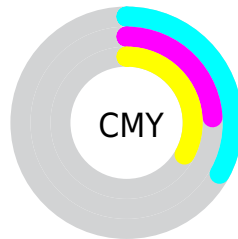
- Red (67%)
- Green (76%)
- Blue (67%)



- Red (67%)
- Yellow (76%)
- Blue (76%)



- Cyan (11%)
- Magenta (0%)
- Yellow (11%)
- Black (24%)





- Cyan (33%)
- Magenta (24%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7381, 0.3113, 0.3583 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 49.7381, 0.3113, 0.3583 by changing the saturation by 10% instead.


 49.7381, 0.3113,
0.3583

 49.7381, 0.3113,
0.3583


385.6409, 0.3121,
0.3435

 35.2053, 0.3111,
0.3620


 89.7867, 0.3116,
0.3529

 23.8211, 0.3107,
0.3668


116.0714, 0.3118,
0.3509

 15.2010, 0.3102,
0.3733


147.0421, 0.3118,
0.3492

 8.9605, 0.3094,
0.3824

183.0833, 0.3119,
0.3477

 4.7155, 0.3081,
0.3961

224.5794, 0.3120,
0.3465

 2.0813, 0.3054,
0.4193

271.9148, 0.3120,


 0.6541, 0.3043,

0.3454

0.5915

325.4738, 0.3121,
0.3444


 0.0000, 0.0000,
0.0000


 49.7381, 0.3113,
0.3583

 49.7381, 0.3113,
0.3583


 47.0473, 0.3099,
0.3877


 52.8566, 0.3126,
0.3324


 44.7595, 0.3083,
0.4202


 56.4137, 0.3136,
0.3098


 42.8573, 0.3067,
0.4550

 60.4275, 0.3146,
0.2904

 41.3194, 0.3050,
0.4906

 64.9135, 0.3154,
0.2737

 40.1227, 0.3034,
0.5248

 66.6233, 0.3156,
0.2683

■ 39.2411, 0.3020,
0.5548

■ 38.6450, 0.3009,
0.5781

■ 38.2990, 0.3003,
0.5929

■ 38.1443, 0.3000,
0.5999

Harmonies

Analogous

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



49.7381, 0.3309, 0.3640



49.7381, 0.3113, 0.3583



49.7381, 0.2925, 0.3439

Triad

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



49.7381, 0.3113, 0.3583



49.7381, 0.2802, 0.2983



49.7381, 0.3472, 0.3309

Complementary

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



49.7381, 0.3113, 0.3583



44.3044, 0.3141, 0.3013

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.



49.7381, 0.3328, 0.3146



49.7381, 0.3113, 0.3583



49.7381, 0.2940, 0.2960

Square

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



49.7381, 0.3113, 0.3583



49.7381, 0.2749, 0.3088



49.7381, 0.3132, 0.3020



49.7381, 0.3520, 0.3474

Rectangle

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



49.7381, 0.3113, 0.3583



49.7381, 0.2829, 0.3317



49.7381, 0.3132, 0.3020



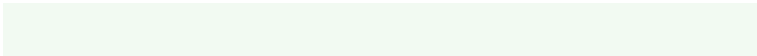
49.7381, 0.3433, 0.3253

Sweetspot

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



49.7402, 0.3113, 0.3583



93.6938, 0.3124, 0.3364



52.4212, 0.3295, 0.3568



19.9994, 0.3123, 0.3384



97.7402, 0.3127, 0.3290



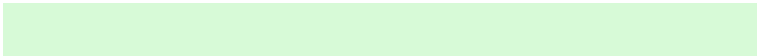
20.4902, 0.3127, 0.3290

Same Dimension

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



49.7402, 0.3113, 0.3583



87.6492, 0.3109, 0.3662



50.1759, 0.3033, 0.3435



11.2592, 0.3116, 0.3527



25.3684, 0.3000, 0.5998



1.0962, 0.2998, 0.5992

Inverse Universe

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



44.3044, 0.3141, 0.3013



75.7533, 0.3144, 0.2944



43.8332, 0.3233, 0.3150



10.2471, 0.3138, 0.3064



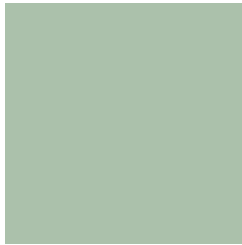
10.0884, 0.3215, 0.1545



0.4360, 0.3214, 0.1544

Previews

White Background



This preview shows how the Yxy color 49.7381, 0.3113, 0.3583 looks on a white background.

Color Contrast Check

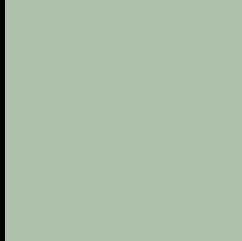
Large Text (above 18pt) WCAG AA × Fail

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 49.7381, 0.3113, 0.3583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

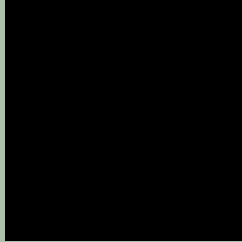
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

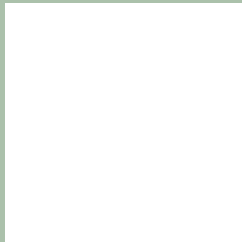
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.7381, 0.3113, 0.3583

Background



This preview shows how black text looks on a background with the Yxy color 49.7381, 0.3113, 0.3583.

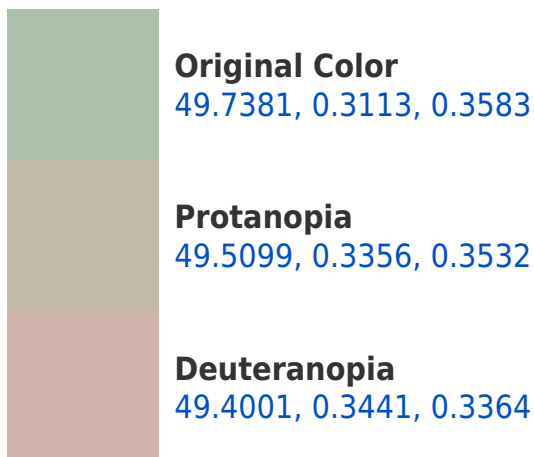


This preview shows how white text looks on a background with the Yxy color 49.7381, 0.3113, 0.3583.

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





Tritanopia

49.5083, 0.2921, 0.3099

Trichromacy



Original Color

49.7381, 0.3113, 0.3583

Protanomaly

49.6614, 0.3265, 0.3562

Deuteranomaly

49.4508, 0.3317, 0.3442

Tritanomaly

49.5872, 0.2992, 0.3277

Monochromacy



Original Color

49.7381, 0.3113, 0.3583

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.3790, 0.3122, 0.3395

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7381, 0.3113, 0.3583 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(171, 193, 171)` looks like.

```
.text, #text, p{  
    color:rgb(171, 193, 171)  
}
```

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(171, 193, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 193, 171) }
```

Border

The CSS property to change the border of an element to Yxy 49.7381, 0.3113, 0.3583 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(171, 193, 171) }
```

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

```
.border{ border-color:rgb(171, 193, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 193, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 193, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 193, 171);  
box-shadow:4px 4px 4px 4px rgb(171, 193,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7381, 0.3113, 0.3583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 193, 171) }
```

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

```
.background{ background-color: rgb(171,  
193, 171) }
```

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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