

Converting Colors

$Y_{xy}(47.8900, 0.3112, 0.3608)$

Have a look what the booklet for
Yxy(47.8900, 0.3112, 0.3608)
contains.

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Color

Yxy(47.8324, 0.3112, 0.3603)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | A7BEA7 |
| RGB | 167, 190, 167 |
| RGB Percent | 65%, 75%, 65% |
| CMY | 0.3454, 0.2548, 0.3451 |
| CMYK | 0.12, 0.00, 0.12, 0.25 |
| HSL | 120°, 15%, 70% |
| HSV | 120°, 12%, 75% |
| XYZ | 41.3140, 47.8324, 43.6107 |
| YIQ | 180.5010, -6.3250, -12.0290 |

Conversions

Conversions Part 2

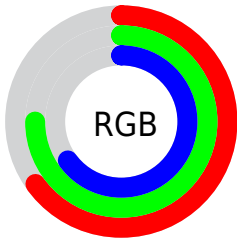
| Format | Color |
|-------------------------------------|--|
| RYB | 167, 190, 190 |
| Decimal | 10993319 |
| CIELab | 74.72, -12.28, 8.99 |
| CIELCh | 75, 15.215, 143.799 |
| Yxy | 47.8324, 0.3112, 0.3603 |
| Android (android.graphics.Color) | 4289183399 (0xFFA7BEA7) |
| YUV | 180.5010, -6.6560, -11.8404 |
| Hunter-Lab | 69.1610, -14.4029, 11.0263 |

Details

The Yxy color $47.8324, 0.3112, 0.3603$ is a light color, and the websafe version is hex $99CCCC$. A complement of this color would be $42.2798, 0.3141, 0.2996$, and the grayscale version is $45.9594, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.7151, 0.3115, 0.3542$, and $22.7740, 0.3108, 0.3704$ is the 20% darker color. If you saturate the color by 10%, you get $45.2652, 0.3098, 0.3899$, and if you desaturate by 10%, it is $50.8104, 0.3125, 0.3342$.

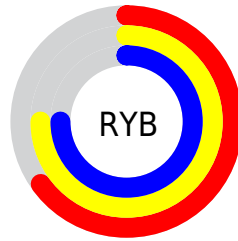
Distribution



Red (65%)

Green (75%)

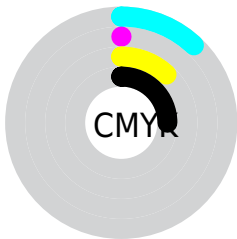
Blue (65%)



Red (65%)

Yellow (75%)

Blue (75%)

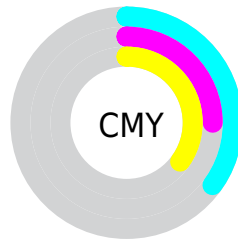


Cyan (12%)

Magenta (0%)

Yellow (12%)

Black (25%)



Cyan (35%)


Magenta (25%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8324, 0.3112, 0.3603 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 47.8324, 0.3112, 0.3603 by changing the saturation by 10% instead.


 47.8324, 0.3112,
0.3603

 47.8324, 0.3112,
0.3603


378.1274, 0.3121,
0.3444

 33.6942, 0.3109,
0.3644


 86.9548, 0.3116,
0.3545

 22.6588, 0.3105,
0.3696


 112.7078, 0.3117,
0.3523

 14.3417, 0.3100,
0.3767

143.1012, 0.3118,
0.3505

 8.3587, 0.3091,
0.3868

178.5193, 0.3119,
0.3489

 4.3253, 0.3075,
0.4022

219.3466, 0.3120,
0.3475

 1.8572, 0.3042,
0.4286

265.9674, 0.3120,

 0.5224, 0.2737,

0.3464

0.7263

318.7663, 0.3121,
0.3453

0.0000, 0.0000,
0.0000

47.8324, 0.3112,
0.3603

47.8324, 0.3112,
0.3603

45.2652, 0.3098,
0.3899

50.8104, 0.3125,
0.3342

43.0852, 0.3082,
0.4225

54.2098, 0.3136,
0.3114

41.2753, 0.3065,
0.4574

58.0482, 0.3145,
0.2918

39.8150, 0.3049,
0.4930

62.3405, 0.3154,
0.2749

38.6818, 0.3033,
0.5270

65.3162, 0.3157,
0.2654

■ 37.8505, 0.3019,
0.5566

■ 37.2922, 0.3009,
0.5793

■ 36.9726, 0.3002,
0.5935

■ 36.8372, 0.3000,
0.5998

Harmonies

Analogous

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



47.8324, 0.3321, 0.3664



47.8324, 0.3112, 0.3603



47.8324, 0.2912, 0.3449

Triad

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



47.8324, 0.3112, 0.3603



47.8324, 0.2781, 0.2963



47.8324, 0.3494, 0.3310

Complementary

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



47.8324, 0.3112, 0.3603



42.2798, 0.3141, 0.2996

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.



47.8324, 0.3340, 0.3136



47.8324, 0.3112, 0.3603



47.8324, 0.2927, 0.2939

Square

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



47.8324, 0.3112, 0.3603



47.8324, 0.2726, 0.3075



47.8324, 0.3131, 0.3003



47.8324, 0.3546, 0.3485

Rectangle

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



47.8324, 0.3112, 0.3603



47.8324, 0.2810, 0.3319



47.8324, 0.3131, 0.3003



47.8324, 0.3452, 0.3250

Sweetspot

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



47.8344, 0.3112, 0.3603



90.9615, 0.3122, 0.3389



50.5737, 0.3306, 0.3586



19.8806, 0.3121, 0.3408



97.7402, 0.3127, 0.3290



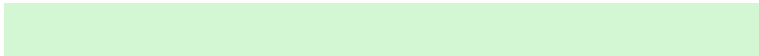
20.4902, 0.3127, 0.3290

Same Dimension

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



47.8344, 0.3112, 0.3603



85.1440, 0.3108, 0.3691



48.2782, 0.3027, 0.3445



10.6500, 0.3116, 0.3526



24.4887, 0.2999, 0.5998



0.9594, 0.2997, 0.5990

Inverse Universe

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



42.2798, 0.3141, 0.2996



72.7846, 0.3145, 0.2919



41.7973, 0.3241, 0.3140



9.6959, 0.3138, 0.3064



9.7375, 0.3215, 0.1545



0.3816, 0.3214, 0.1544

Previews

White Background



This preview shows how the Yxy color 47.8324, 0.3112, 0.3603 looks on a white background.

Color Contrast Check

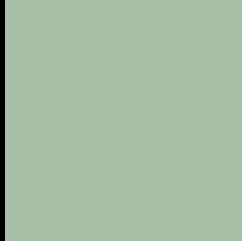
Large Text (above 18pt) WCAG AA × Fail

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 47.8324, 0.3112, 0.3603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

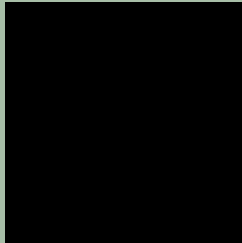
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

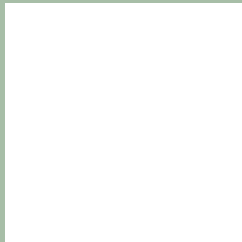
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.8324, 0.3112, 0.3603

Background



This preview shows how black text looks on a background with the Yxy color 47.8324, 0.3112, 0.3603.



This preview shows how white text looks on a background with the Yxy color 47.8324, 0.3112, 0.3603.

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

47.8324, 0.3112, 0.3603

Protanopia

47.7178, 0.3367, 0.3548

Deuteranopia

47.4684, 0.3446, 0.3378



Tritanopia

47.6387, 0.2910, 0.3095

Trichromacy



Original Color

47.8324, 0.3112, 0.3603

Protanomaly

47.8654, 0.3275, 0.3580

Deuteranomaly

47.5269, 0.3319, 0.3458

Tritanomaly

47.7175, 0.2982, 0.3276

Monochromacy



Original Color

47.8324, 0.3112, 0.3603

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.4901, 0.3122, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8324, 0.3112, 0.3603 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(167, 190, 167)` looks like.

```
.text, #text, p{  
    color:rgb(167, 190, 167)  
}
```

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(167, 190, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 190, 167) }
```

Border

The CSS property to change the border of an element to Yxy 47.8324, 0.3112, 0.3603 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(167, 190, 167) }
```

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

```
.border{ border-color:rgb(167, 190, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 190, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 190, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 190, 167);  
box-shadow:4px 4px 4px 4px rgb(167, 190,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8324, 0.3112, 0.3603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 190, 167) }
```

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

```
.background{ background-color: rgb(167,  
190, 167) }
```

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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