

Converting Colors

$Y_{xy}(47.8870, 0.3035, 0.3686)$

Have a look what the booklet for
Yxy(47.8870, 0.3035, 0.3686)
contains.

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Color

Yxy(47.8251, 0.3030, 0.3680)

Conversions

Conversions Part 1

Format	Color
Hex	9BC1A5
RGB	155, 193, 165
RGB Percent	61%, 76%, 65%
CMY	0.3922, 0.2431, 0.3529
CMYK	0.20, 0.00, 0.15, 0.24
HSL	136°, 23%, 68%
HSV	136°, 20%, 76%
XYZ	39.3777, 47.8251, 42.7567
YIQ	178.4460, -13.6600, -16.7640

Conversions

Conversions Part 2

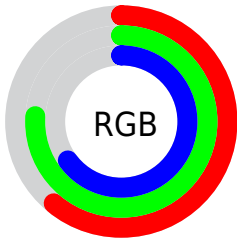
Format	Color
RYB	155, 185, 193
Decimal	10207653
CIELab	74.71, -18.27, 9.95
CIELCh	75, 20.802, 151.434
Yxy	47.8251, 0.3030, 0.3680
Android (android.graphics.Color)	4288397733 (0xFF9BC1A5)
YUV	178.4460, -6.6289, -20.5621
Hunter-Lab	69.1557, -19.3833, 11.7519

Details

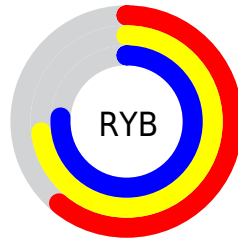
The Yxy color **47.8251, 0.3030, 0.3680** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.1953, 0.3241, 0.2929**, and the grayscale version is **44.8107, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2402, 0.3050, 0.3611**, and **22.5411, 0.2999, 0.3796** is the 20% darker color. If you saturate the color by 10%, you get **45.5786, 0.2983, 0.3913**, and if you desaturate by 10%, it is **50.4383, 0.3079, 0.3471**.

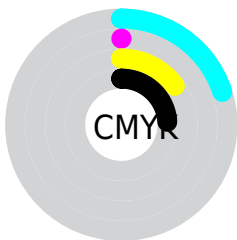
Distribution



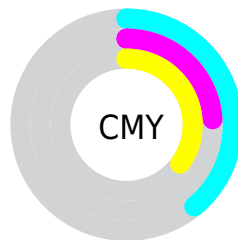
- Red (61%)
- Green (76%)
- Blue (65%)



- Red (61%)
- Yellow (73%)
- Blue (76%)



- Cyan (20%)
- Magenta (0%)
- Yellow (15%)
- Black (24%)





- Cyan (39%)
- Magenta (24%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8251, 0.3030, 0.3680 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 47.8251, 0.3030, 0.3680 by changing the saturation by 10% instead.

 47.8251, 0.3030,
0.3680

 47.8251, 0.3030,
0.3680


378.0984, 0.3081,
0.3481

 33.6884, 0.3017,
0.3731


 86.9439, 0.3049,
0.3607

 22.6543, 0.2999,
0.3798


 112.6949, 0.3056,
0.3579

 14.3385, 0.2974,
0.3888


143.0860, 0.3062,
0.3556

 8.3565, 0.2939,
0.4017

178.5017, 0.3067,
0.3537

 4.3239, 0.2881,
0.4216

219.3264, 0.3071,
0.3520

 1.8563, 0.2777,
0.4562

265.9445, 0.3075,

 0.5219, 0.0876,

0.3505

0.9124

318.7404, 0.3078,
0.3492

0.0000, 0.0000,
0.0000

47.8251, 0.3030,
0.3680

47.8251, 0.3030,
0.3680

45.5786, 0.2983,
0.3913

50.4383, 0.3079,
0.3471

43.6765, 0.2940,
0.4167

53.4276, 0.3129,
0.3285

42.1032, 0.2904,
0.4439


56.8093, 0.3177,
0.3121


40.8395, 0.2878,
0.4719


60.5971, 0.3224,
0.2979

39.8641, 0.2865,
0.4996

64.8039, 0.3268,
0.2855

 39.1529, 0.2867,
0.5257

 66.3231, 0.3190,
0.2726

 38.6780, 0.2884,
0.5488

 66.6228, 0.3156,
0.2683

 38.3882, 0.2911,
0.5678

 38.3807, 0.2912,
0.5683

Harmonies

Analogous

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



47.8251, 0.3319, 0.3799



47.8251, 0.3030, 0.3680



47.8251, 0.2776, 0.3441

Triad

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



47.8251, 0.3030, 0.3680



47.8251, 0.2697, 0.2827



47.8251, 0.3664, 0.3374

Complementary

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



47.8251, 0.3030, 0.3680



38.1953, 0.3241, 0.2929

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.



47.8251, 0.3482, 0.3136



47.8251, 0.3030, 0.3680



47.8251, 0.2919, 0.2829

Square

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



47.8251, 0.3030, 0.3680



47.8251, 0.2590, 0.2944



47.8251, 0.3206, 0.2941



47.8251, 0.3693, 0.3604

Rectangle

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



47.8251, 0.3030, 0.3680



47.8251, 0.2657, 0.3256



47.8251, 0.3206, 0.2941



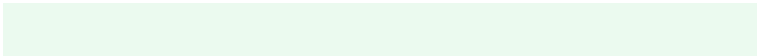
47.8251, 0.3619, 0.3293

Sweetspot

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



47.8271, 0.3030, 0.3680



92.1789, 0.3097, 0.3401



50.6379, 0.3338, 0.3787



19.7017, 0.3094, 0.3413



97.7402, 0.3127, 0.3290



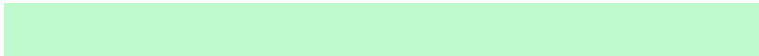
20.4902, 0.3127, 0.3290

Same Dimension

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



47.8271, 0.3030, 0.3680



83.6897, 0.3008, 0.3786



48.5500, 0.2900, 0.3419



11.3015, 0.3081, 0.3464



25.5372, 0.2906, 0.5662



1.1152, 0.2777, 0.5197

Inverse Universe

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



38.1953, 0.3241, 0.2929



63.0453, 0.3273, 0.2841



37.4752, 0.3417, 0.3165



10.2007, 0.3177, 0.3122



8.8560, 0.4002, 0.1978



0.3935, 0.3788, 0.1860

Previews

White Background



This preview shows how the Yxy color 47.8251, 0.3030, 0.3680 looks on a white background.

Color Contrast Check

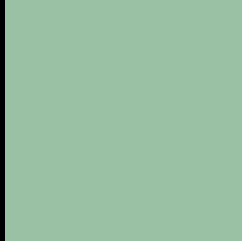
Large Text (above 18pt) WCAG AA × Fail

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 47.8251, 0.3030, 0.3680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

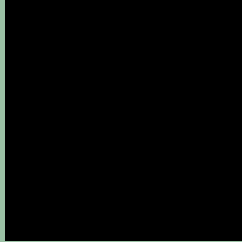
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.8251, 0.3030, 0.3680

Background



This preview shows how black text looks on a background with the Yxy color 47.8251, 0.3030, 0.3680.



This preview shows how white text looks on a background with the Yxy color 47.8251, 0.3030, 0.3680.

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

47.8251, 0.3030, 0.3680

Protanopia

47.6115, 0.3392, 0.3588

Deuteranopia

47.5368, 0.3473, 0.3402



Tritanopia

47.9596, 0.2816, 0.3093

Trichromacy



Original Color

47.8251, 0.3030, 0.3680

Protanomaly

47.7330, 0.3255, 0.3623

Deuteranomaly

47.3484, 0.3299, 0.3498

Tritanomaly

47.8720, 0.2891, 0.3303

Monochromacy



Original Color

47.8251, 0.3030, 0.3680

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.4302, 0.3096, 0.3425

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8251, 0.3030, 0.3680 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(155, 193, 165)` looks like.

```
.text, #text, p{  
    color:rgb(155, 193, 165)  
}
```

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(155, 193, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 193, 165) }
```

Border

The CSS property to change the border of an element to Yxy 47.8251, 0.3030, 0.3680 is called "border". The border property can be set on classes, ids or directly on the HTML element.

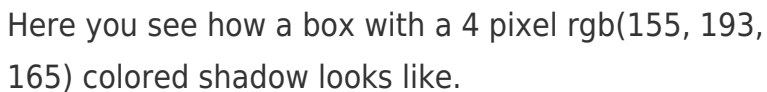
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(155, 193, 165) }
```

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

```
.border{ border-color:rgb(155, 193, 165) }
```

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



Here you see how a box with a 4 pixel `rgb(155, 193, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 193, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 193, 165); box-shadow:4px 4px 4px 4px rgb(155, 193, 165) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8251, 0.3030, 0.3680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 193, 165) }
```

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

```
.background{ background-color: rgb(155,  
193, 165) }
```

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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