

Converting Colors

$Yxy(48.8651, 0.3194, 0.3588)$

Have a look what the booklet for
Yxy(48.8651, 0.3194, 0.3588)
contains.

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Color

Yxy(48.9640, 0.3195, 0.3595)

Conversions

Conversions Part 1

Format	Color
Hex	B1BEA7
RGB	177, 190, 167
RGB Percent	69%, 75%, 65%
CMY	0.3060, 0.2549, 0.3451
CMYK	0.07, 0.00, 0.12, 0.25
HSL	94°, 15%, 70%
HSV	94°, 12%, 75%
XYZ	43.5160, 48.9640, 43.7203
YIQ	183.4910, -0.3650, -9.9090

Conversions

Conversions Part 2

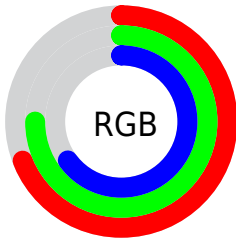
Format	Color
RYB	167, 190, 180
Decimal	11648679
CIELab	75.43, -8.72, 10.09
CIELCh	75, 13.336, 130.857
Yxy	48.9640, 0.3195, 0.3595
Android (android.graphics.Color)	4289838759 (0xFFB1BEA7)
YUV	183.4910, -8.1301, -5.6926
Hunter-Lab	69.9743, -11.4484, 11.9373

Details

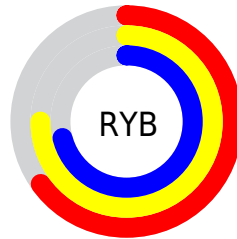
The Yxy color $48.9640, 0.3195, 0.3595$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $41.0677, 0.3052, 0.2988$, and the grayscale version is $47.6825, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.5091, 0.3187, 0.3537$, and $23.4142, 0.3208, 0.3691$ is the 20% darker color. If you saturate the color by 10%, you get $47.0992, 0.3249, 0.3871$, and if you desaturate by 10%, it is $51.0361, 0.3139, 0.3341$.

Distribution



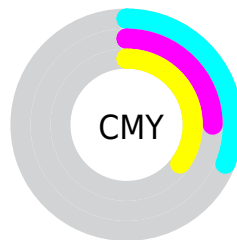
- Red (69%)
- Green (75%)
- Blue (65%)



- Red (65%)
- Yellow (75%)
- Blue (71%)



- Cyan (7%)
- Magenta (0%)
- Yellow (12%)
- Black (25%)




- Cyan (31%)
- Magenta (25%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9640, 0.3195, 0.3595 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 48.9640, 0.3195, 0.3595 by changing the saturation by 10% instead.

 48.9640, 0.3195,
0.3595


 48.9640, 0.3195,
0.3595

382.6006, 0.3163,
0.3441

 34.5909, 0.3203,
0.3634


 88.6380, 0.3184,
0.3539

 23.3479, 0.3212,
0.3684


 114.7077, 0.3179,
0.3518

 14.8506, 0.3224,
0.3751


145.4450, 0.3175,
0.3500

 8.7146, 0.3240,
0.3845

181.2345, 0.3172,
0.3485

 4.5555, 0.3262,
0.3988

222.4603, 0.3169,
0.3472

 1.9889, 0.3291,
0.4228

269.5070, 0.3167,

 0.6010, 0.3735,

0.3460

0.6265

322.7590, 0.3165,
0.3450

0.0000, 0.0000,
0.0000

48.9640, 0.3195,
0.3595

48.9640, 0.3195,
0.3595

47.0992, 0.3249,
0.3871

51.0361, 0.3139,
0.3341

45.4286, 0.3299,
0.4166

53.3155, 0.3083,
0.3110

43.9471, 0.3342,
0.4471

55.8106, 0.3029,
0.2902

42.6470, 0.3372,
0.4775

58.5271, 0.2977,
0.2717

41.5200, 0.3388,
0.5065

61.0106, 0.2976,
0.2617

■ 40.5571, 0.3385,
0.5324

■ 62.8563, 0.3056,
0.2633

■ 39.7481, 0.3362,
0.5536

■ 64.8140, 0.3137,
0.2649

■ 39.0812, 0.3320,
0.5691

■ 65.3117, 0.3157,
0.2653

■ 38.6399, 0.3279,
0.5779

Harmonies

Analogous

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



48.9640, 0.3364, 0.3608



48.9640, 0.3195, 0.3595



48.9640, 0.3012, 0.3493

Triad

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



48.9640, 0.3195, 0.3595



48.9640, 0.2793, 0.3039



48.9640, 0.3397, 0.3240

Complementary

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



48.9640, 0.3195, 0.3595



41.0677, 0.3052, 0.2988

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.



48.9640, 0.3237, 0.3099



48.9640, 0.3195, 0.3595



48.9640, 0.2890, 0.2983

Square

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



48.9640, 0.3195, 0.3595



48.9640, 0.2783, 0.3165



48.9640, 0.3051, 0.3006



48.9640, 0.3484, 0.3398

Rectangle

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



48.9640, 0.3195, 0.3595



48.9640, 0.2906, 0.3390



48.9640, 0.3051, 0.3006



48.9640, 0.3350, 0.3190

Sweetspot

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



48.9661, 0.3195, 0.3595



91.7086, 0.3150, 0.3389



46.3990, 0.3321, 0.3460



20.0739, 0.3154, 0.3408



97.7402, 0.3127, 0.3290



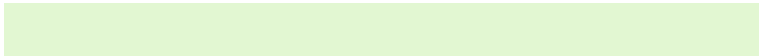
20.4902, 0.3127, 0.3290

Same Dimension

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



48.9661, 0.3195, 0.3595



87.6221, 0.3212, 0.3680



47.8956, 0.3101, 0.3581



10.8463, 0.3180, 0.3523



25.7347, 0.3288, 0.5771



1.0467, 0.3484, 0.5616

Inverse Universe

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



41.0677, 0.3052, 0.2988



69.9874, 0.3030, 0.2905



42.2407, 0.3154, 0.3015



9.4849, 0.3070, 0.3059



4.6260, 0.2170, 0.0969



0.2192, 0.2416, 0.1105

Previews

White Background



This preview shows how the Yxy color 48.9640, 0.3195, 0.3595 looks on a white background.

Color Contrast Check

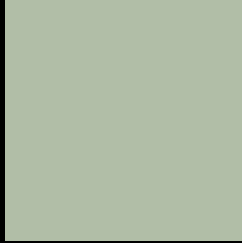
Large Text (above 18pt) WCAG AA × Fail

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 48.9640, 0.3195, 0.3595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

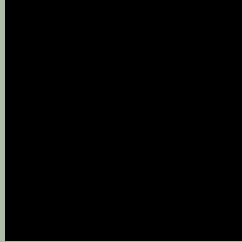
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

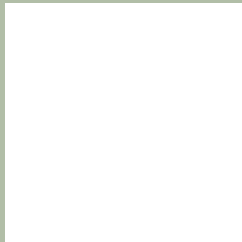
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.9640, 0.3195, 0.3595

Background



This preview shows how black text looks on a background with the Yxy color 48.9640, 0.3195, 0.3595.



This preview shows how white text looks on a background with the Yxy color 48.9640, 0.3195, 0.3595.

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

48.9640, 0.3195, 0.3595

Protanopia

48.8476, 0.3373, 0.3559

Deuteranopia

48.8064, 0.3487, 0.3413



Tritanopia

48.8131, 0.2989, 0.3100

Trichromacy



Original Color

48.9640, 0.3195, 0.3595

Protanomaly

48.9486, 0.3309, 0.3575

Deuteranomaly

48.6999, 0.3379, 0.3480

Tritanomaly

48.8748, 0.3062, 0.3277

Monochromacy



Original Color

48.9640, 0.3195, 0.3595

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.1159, 0.3155, 0.3408

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9640, 0.3195, 0.3595 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(177, 190, 167)` looks like.

```
.text, #text, p{  
    color:rgb(177, 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(177, 190, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 190, 167) }
```

Border

The CSS property to change the border of an element to Yxy 48.9640, 0.3195, 0.3595 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(177, 190, 167) }
```

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

```
.border{ border-color:rgb(177, 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(177, 190, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 190, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 190, 167);  
box-shadow:4px 4px 4px 4px rgb(177, 190,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9640, 0.3195, 0.3595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 190, 167) }
```

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

```
.background{ background-color: rgb(177,  
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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