

Converting Colors

$Y_{xy}(40.7494, 0.3012, 0.4125)$

Have a look what the booklet for
Yxy(40.7494, 0.3012, 0.4125)
contains.

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Color

Yxy(40.5748, 0.3018, 0.4125)

Conversions

Conversions Part 1

Format	Color
Hex	7BB984
RGB	123, 185, 132
RGB Percent	48%, 73%, 52%
CMY	0.5175, 0.2745, 0.4823
CMYK	0.33, 0.00, 0.29, 0.27
HSL	129°, 31%, 60%
HSV	129°, 33%, 73%
XYZ	29.6860, 40.5748, 28.1024
YIQ	160.4200, -19.9390, -29.6270

Conversions

Conversions Part 2

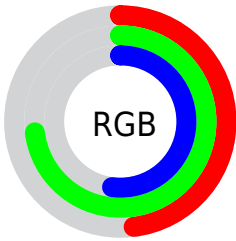
Format	Color
RYB	123, 177, 185
Decimal	8108420
CIELab	69.88, -30.92, 20.73
CIELCh	70, 37.223, 146.165
Yxy	40.5748, 0.3018, 0.4125
Android (android.graphics.Color)	4286298500 (0xFF7BB984)
YUV	160.4200, -14.0111, -32.8173
Hunter-Lab	63.6984, -28.2839, 18.4314

Details

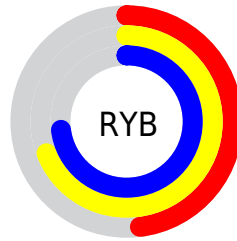
The Yxy color **40.5748, 0.3018, 0.4125** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **27.6221, 0.3261, 0.2579**, and the grayscale version is **35.4348, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7605, 0.3046, 0.3955**, and **18.1814, 0.2966, 0.4406** is the 20% darker color. If you saturate the color by 10%, you get **38.9375, 0.2989, 0.4428**, and if you desaturate by 10%, it is **42.5390, 0.3050, 0.3844**.

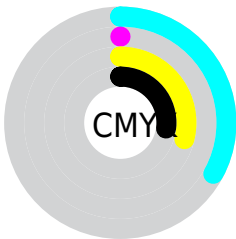
Distribution



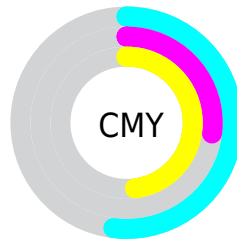
- Red (48%)
- Green (73%)
- Blue (52%)



- Red (48%)
- Yellow (69%)
- Blue (73%)



- Cyan (33%)
- Magenta (0%)
- Yellow (29%)
- Black (27%)





- Cyan (52%)
- Magenta (27%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5748, 0.3018, 0.4125 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 40.5748, 0.3018, 0.4125 by changing the saturation by 10% instead.


 40.5748, 0.3018,
0.4125


 40.5748, 0.3018,
0.4125


348.5404, 0.3085,
0.3677


 27.9870, 0.2997,
0.4247


 76.0380, 0.3046,
0.3955

 18.3159, 0.2966,
0.4410


 99.6822, 0.3055,
0.3893

 11.1770, 0.2920,
0.4639


 127.7806, 0.3062,
0.3842

 6.1860, 0.2842,
0.4979

160.7177, 0.3068,
0.3799

 2.9585, 0.2694,
0.5535

198.8778, 0.3074,
0.3762

 1.1101, 0.2040,
0.7960


242.6454, 0.3078,


 0.0000, 0.0000,


0.3730


0.0000

292.4048, 0.3082,
0.3702

 40.5748, 0.3018,
0.4125


 40.5748, 0.3018,
0.4125


 38.9375, 0.2989,
0.4428

 42.5390, 0.3050,
0.3844


 37.6044, 0.2965,
0.4743


 44.8412, 0.3083,
0.3589


 36.5581, 0.2948,
0.5055


 47.4982, 0.3116,
0.3363


 35.7773, 0.2941,
0.5346

 50.5241, 0.3148,
0.3164


 35.2375, 0.2945,
0.5597


 53.9323, 0.3178,
0.2991

 34.9097, 0.2958,
0.5789

 57.7356, 0.3206,
0.2841

 34.7753, 0.2967,
0.5881

 61.9460, 0.3232,
0.2712

 63.1770, 0.3159,
0.2604

Harmonies

Analogous

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



40.5748, 0.3552, 0.4282



40.5748, 0.3018, 0.4125



40.5748, 0.2538, 0.3667

Triad

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



40.5748, 0.3018, 0.4125



40.5748, 0.2293, 0.2462



40.5748, 0.4110, 0.3337

Complementary

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



40.5748, 0.3018, 0.4125



27.6221, 0.3261, 0.2579

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.



40.5748, 0.3712, 0.2932



40.5748, 0.3018, 0.4125



40.5748, 0.2649, 0.2447

Square

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



40.5748, 0.3018, 0.4125



40.5748, 0.2148, 0.2686



40.5748, 0.3163, 0.2616



40.5748, 0.4210, 0.3762

Rectangle

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



40.5748, 0.3018, 0.4125



40.5748, 0.2309, 0.3295



40.5748, 0.3163, 0.2616



40.5748, 0.4005, 0.3196

Sweetspot

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



40.5765, 0.3018, 0.4125



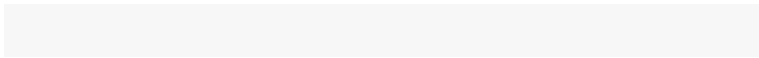
81.8269, 0.3094, 0.3510



45.4438, 0.3548, 0.4135



17.5018, 0.3089, 0.3543



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



40.5765, 0.3018, 0.4125



70.5160, 0.2997, 0.4340



41.5286, 0.2807, 0.3635



10.0808, 0.3097, 0.3491



23.6863, 0.2963, 0.5866



0.8418, 0.2855, 0.5478

Inverse Universe

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



27.6221, 0.3261, 0.2579



43.8445, 0.3296, 0.2430



26.5547, 0.3611, 0.2972



9.1397, 0.3159, 0.3097



8.7163, 0.3607, 0.1761



0.3135, 0.3490, 0.1696

Previews

White Background



This preview shows how the Yxy color 40.5748, 0.3018, 0.4125 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 40.5748, 0.3018, 0.4125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

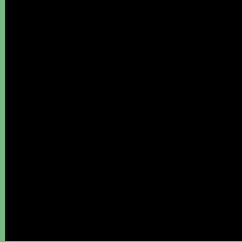
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.5748, 0.3018, 0.4125

Background



This preview shows how black text looks on a background with the Yxy color 40.5748, 0.3018, 0.4125.

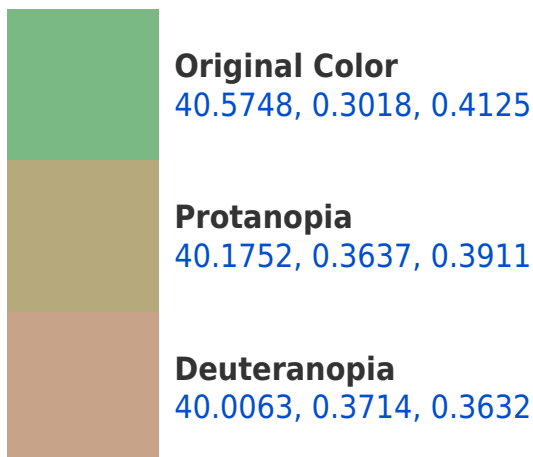


This preview shows how white text looks on a background with the Yxy color 40.5748, 0.3018, 0.4125.

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

40.4009, 0.2680, 0.3074

Trichromacy



Original Color

40.5748, 0.3018, 0.4125

Protanomaly

39.7955, 0.3391, 0.3978

Deuteranomaly

39.5330, 0.3438, 0.3804

Tritanomaly

40.3701, 0.2806, 0.3439

Monochromacy



Original Color

40.5748, 0.3018, 0.4125

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.7810, 0.3087, 0.3578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5748, 0.3018, 0.4125 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(123, 185, 132)` looks like.

```
.text, #text, p{  
    color:rgb(123, 185, 132)  
}
```

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(123, 185, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 185, 132) }
```

Border

The CSS property to change the border of an element to Yxy 40.5748, 0.3018, 0.4125 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(123, 185, 132) }
```

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

```
.border{ border-color:rgb(123, 185, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 185, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 185, 132); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 185, 132); box-shadow:4px 4px 4px 4px rgb(123, 185, 132) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5748, 0.3018, 0.4125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 185, 132) }
```

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

```
.background{ background-color: rgb(123,  
185, 132) }
```

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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