

Converting Colors

$Y_{xy}(48.7787, 0.3250, 0.4259)$

Have a look what the booklet for
Yxy(48.7787, 0.3250, 0.4259)
contains.

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Color

Yxy(48.6753, 0.3249, 0.4255)

Conversions

Conversions Part 1

Format	Color
Hex	98C682
RGB	152, 198, 130
RGB Percent	60%, 78%, 51%
CMY	0.4041, 0.2235, 0.4902
CMYK	0.23, 0.00, 0.34, 0.22
HSL	101°, 37%, 64%
HSV	101°, 34%, 78%
XYZ	37.1671, 48.6753, 28.5531
YIQ	176.4940, -5.5880, -30.9000

Conversions

Conversions Part 2

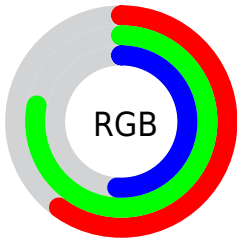
Format	Color
RYB	130, 198, 176
Decimal	10012290
CIELab	75.25, -27.68, 29.31
CIELCh	75, 40.317, 133.364
Yxy	48.6753, 0.3249, 0.4255
Android (android.graphics.Color)	4288202370 (0xFF98C682)
YUV	176.4940, -22.9215, -21.4812
Hunter-Lab	69.7677, -27.0017, 24.5724

Details

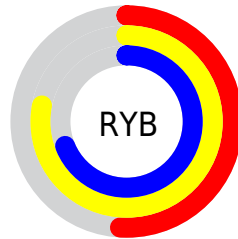
The Yxy color **48.6753, 0.3249, 0.4255** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **29.2768, 0.2945, 0.2389**, and the grayscale version is **43.8093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2461, 0.3231, 0.4065**, and **23.1784, 0.3253, 0.4551** is the 20% darker color. If you saturate the color by 10%, you get **46.9750, 0.3272, 0.4575**, and if you desaturate by 10%, it is **50.6283, 0.3218, 0.3947**.

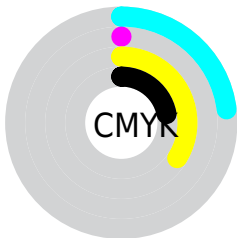
Distribution



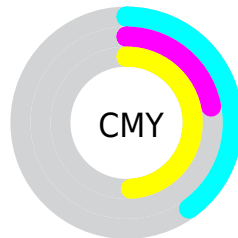
- Red (60%)
- Green (78%)
- Blue (51%)



- Red (51%)
- Yellow (78%)
- Blue (69%)



- Cyan (23%)
- Magenta (0%)
- Yellow (34%)
- Black (22%)





- Cyan (40%)
- Magenta (22%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.6753, 0.3249, 0.4255 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 48.6753, 0.3249, 0.4255 by changing the saturation by 10% instead.


 48.6753, 0.3249,
0.4255


 48.6753, 0.3249,
0.4255


381.4626, 0.3203,
0.3755


 34.3620, 0.3255,
0.4384


 88.2090, 0.3236,
0.4070

 23.1718, 0.3259,
0.4553


 114.1982, 0.3230,
0.4001

 14.7204, 0.3258,
0.4779


 144.8481, 0.3224,
0.3943

 8.6234, 0.3243,
0.5099

180.5432, 0.3219,
0.3894

 4.4964, 0.3190,
0.5576

221.6678, 0.3215,
0.3852

 1.9549, 0.3228,
0.6772

268.6063, 0.3210,

 0.5811, 0.0000,

0.3816

1.0000

321.7431, 0.3206,
0.3783

0.0000, 0.0000,
0.0000

48.6753, 0.3249,
0.4255

48.6753, 0.3249,
0.4255

46.9750, 0.3272,
0.4575

50.6283, 0.3218,
0.3947

45.5103, 0.3284,
0.4894

52.8378, 0.3182,
0.3659

44.2718, 0.3283,
0.5196

55.3153, 0.3144,
0.3396

43.2468, 0.3266,
0.5460


58.0697, 0.3105,
0.3160


42.4211, 0.3233,
0.5670

61.1096, 0.3067,
0.2949

 41.7782, 0.3187,
0.5814

 64.4432, 0.3029,
0.2762

 41.4824, 0.3159,
0.5874

 67.1706, 0.3085,
0.2720

 68.8737, 0.3153,
0.2732

Harmonies

Analogous

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



48.6753, 0.3772, 0.4264



48.6753, 0.3249, 0.4255



48.6753, 0.2719, 0.3901

Triad

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



48.6753, 0.3249, 0.4255



48.6753, 0.2188, 0.2517



48.6753, 0.3987, 0.3154

Complementary

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



48.6753, 0.3249, 0.4255



29.2768, 0.2945, 0.2389

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.



48.6753, 0.3492, 0.2774



48.6753, 0.3249, 0.4255



48.6753, 0.2461, 0.2414

Square

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



48.6753, 0.3249, 0.4255



48.6753, 0.2138, 0.2838



48.6753, 0.2926, 0.2510



48.6753, 0.4229, 0.3586

Rectangle

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



48.6753, 0.3249, 0.4255



48.6753, 0.2433, 0.3538



48.6753, 0.2926, 0.2510



48.6753, 0.3842, 0.3018

Sweetspot

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



48.6774, 0.3249, 0.4255



95.3368, 0.3167, 0.3546



44.4114, 0.3729, 0.3876



20.2743, 0.3172, 0.3584



0.0000, 0.0000, 0.0000



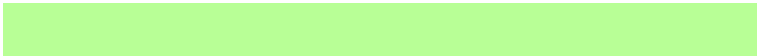
21.4041, 0.3127, 0.3290

Same Dimension

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



48.6774, 0.3249, 0.4255



83.9543, 0.3267, 0.4487



47.0721, 0.3005, 0.4132



12.0514, 0.3164, 0.3525



27.0147, 0.3168, 0.5867



1.3185, 0.3335, 0.5734

Inverse Universe

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



29.2768, 0.2945, 0.2389



44.5846, 0.2894, 0.2190



31.5455, 0.3281, 0.2574



10.6383, 0.3087, 0.3059



5.9976, 0.2415, 0.1104



0.3218, 0.2585, 0.1198

Previews

White Background



This preview shows how the Yxy color 48.6753, 0.3249, 0.4255 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 48.6753, 0.3249, 0.4255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

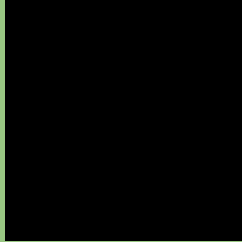
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.6753, 0.3249, 0.4255

Background



This preview shows how black text looks on a background with the Yxy color 48.6753, 0.3249, 0.4255.



This preview shows how white text looks on a background with the Yxy color 48.6753, 0.3249, 0.4255.

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

48.6753, 0.3249, 0.4255

Protanopia

48.4325, 0.3756, 0.4060

Deuteranopia

48.2536, 0.3877, 0.3794



Tritanopia

48.6473, 0.2824, 0.3094

Trichromacy



Original Color

48.6753, 0.3249, 0.4255

Protanomaly

48.4005, 0.3565, 0.4137

Deuteranomaly

47.9935, 0.3637, 0.3959

Tritanomaly

48.3472, 0.2983, 0.3494

Monochromacy



Original Color

48.6753, 0.3249, 0.4255

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.9997, 0.3179, 0.3636

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6753, 0.3249, 0.4255 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(152, 198, 130)` looks like.

```
.text, #text, p{  
    color:rgb(152, 198, 130)  
}
```

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(152, 198, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 198, 130) }
```

Border

The CSS property to change the border of an element to Yxy 48.6753, 0.3249, 0.4255 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(152, 198, 130) }
```

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

```
.border{ border-color:rgb(152, 198, 130) }
```

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

Here you see how a box with a 4 pixel rgb(152, 198, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 198, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 198, 130);  
box-shadow:4px 4px 4px 4px rgb(152, 198,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6753, 0.3249, 0.4255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 198, 130) }
```

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

```
.background{ background-color: rgb(152,  
198, 130) }
```

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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