

Converting Colors

Yxy(51.7138, 0.3007, 0.4206)

Have a look what the booklet for
Yxy(51.7138, 0.3007, 0.4206)
contains.

Yxy(51.5448, 0.3002, 0.4197)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(51.5448, 0.3002, 0.4197)

Conversions

Conversions Part 1

Format	Color
Hex	84CF90
RGB	132, 207, 144
RGB Percent	52%, 81%, 56%
CMY	0.4822, 0.1883, 0.4352
CMYK	0.36, 0.00, 0.30, 0.19
HSL	130°, 44%, 66%
HSV	130°, 36%, 81%
XYZ	36.8686, 51.5448, 34.4000
YIQ	177.3930, -24.4770, -35.4930

Conversions

Conversions Part 2

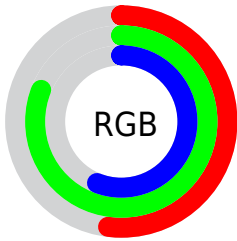
Format	Color
RYB	132, 197, 207
Decimal	8703888
CIELab	77.01, -36.25, 24.14
CIElCh	77, 43.550, 146.334
Yxy	51.5448, 0.3002, 0.4197
Android (android.graphics.Color)	4286893968 (0xFF84CF90)
YUV	177.3930, -16.4627, -39.8097
Hunter-Lab	71.7947, -33.9760, 21.8478

Details

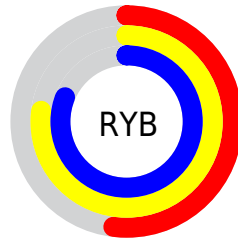
The Yxy color **51.5448, 0.3002, 0.4197** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **33.7195, 0.3286, 0.2528**, and the grayscale version is **44.2883, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1620, 0.3032, 0.3931**, and **24.8665, 0.2945, 0.4480** is the 20% darker color. If you saturate the color by 10%, you get **49.5482, 0.2973, 0.4502**, and if you desaturate by 10%, it is **53.9587, 0.3035, 0.3912**.

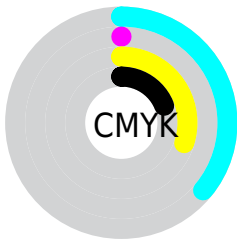
Distribution



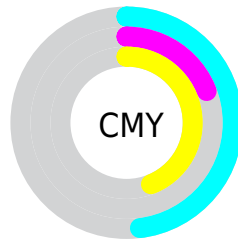
- Red (52%)
- Green (81%)
- Blue (56%)



- Red (52%)
- Yellow (77%)
- Blue (81%)



- Cyan (36%)
- Magenta (0%)
- Yellow (30%)
- Black (19%)





- Cyan (48%)
- Magenta (19%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.5448, 0.3002, 0.4197 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 51.5448, 0.3002, 0.4197 by changing the saturation by 10% instead.


 51.5448, 0.3002,
0.4197


 51.5448, 0.3002,
0.4197


392.6768, 0.3076,
0.3727

 36.6424, 0.2980,
0.4319


 92.4596, 0.3032,
0.4023

 24.9307, 0.2948,
0.4478


 119.2407, 0.3042,
0.3958

 16.0254, 0.2903,
0.4693


 150.7502, 0.3051,
0.3904

 9.5422, 0.2831,
0.5000

187.3724, 0.3058,
0.3858

 5.0965, 0.2706,
0.5468

229.4918, 0.3063,
0.3819

 2.3040, 0.2537,
0.6449

277.4927, 0.3068,

 0.7758, 0.0000,

0.3784

1.0000

331.7596, 0.3073,
0.3754

■ 0.0000, 0.0000,
0.0000

■ 51.5448, 0.3002,
0.4197

■ 51.5448, 0.3002,
0.4197

■ 49.5482, 0.2973,
0.4502

■ 53.9587, 0.3035,
0.3912

■ 47.9391, 0.2950,
0.4816

■ 56.8051, 0.3070,
0.3652

■ 46.6938, 0.2936,
0.5123

■ 60.1061, 0.3106,
0.3420

■ 45.7834, 0.2932,
0.5405


■ 63.8805, 0.3140,
0.3216


■ 45.1744, 0.2940,
0.5641

■ 68.1461, 0.3173,
0.3038

 44.8254, 0.2958,
0.5818

 72.6839, 0.3195,
0.2883

 44.7340, 0.2964,
0.5870

 73.1037, 0.3149,
0.2821

Harmonies

Analogous

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



51.5448, 0.3577, 0.4365



51.5448, 0.3002, 0.4197



51.5448, 0.2489, 0.3694

Triad

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



51.5448, 0.3002, 0.4197



51.5448, 0.2234, 0.2400



51.5448, 0.4191, 0.3337

Complementary

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



51.5448, 0.3002, 0.4197



33.7195, 0.3286, 0.2528

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.



51.5448, 0.3762, 0.2906



51.5448, 0.3002, 0.4197



51.5448, 0.2614, 0.2388

Square

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



51.5448, 0.3002, 0.4197



51.5448, 0.2078, 0.2635



51.5448, 0.3167, 0.2570



51.5448, 0.4295, 0.3791

Rectangle

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



51.5448, 0.3002, 0.4197



51.5448, 0.2246, 0.3288



51.5448, 0.3167, 0.2570



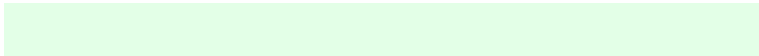
51.5448, 0.4079, 0.3187

Sweetspot

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



51.5470, 0.3002, 0.4197



93.6368, 0.3088, 0.3530



57.9935, 0.3574, 0.4214



19.8881, 0.3083, 0.3563



0.0000, 0.0000, 0.0000



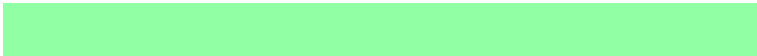
21.4041, 0.3127, 0.3290

Same Dimension

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



51.5470, 0.3002, 0.4197



80.2115, 0.2980, 0.4419



52.8591, 0.2775, 0.3653



13.2367, 0.3094, 0.3491



28.1948, 0.2959, 0.5853



1.5864, 0.2875, 0.5550

Inverse Universe

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



33.7195, 0.3286, 0.2528



47.7600, 0.3327, 0.2379



32.2568, 0.3686, 0.2959



11.9752, 0.3162, 0.3097



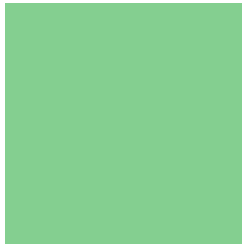
10.2927, 0.3656, 0.1788



0.5844, 0.3561, 0.1735

Previews

White Background



This preview shows how the Yxy color 51.5448, 0.3002, 0.4197 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 51.5448, 0.3002, 0.4197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

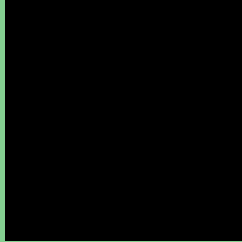
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.5448, 0.3002, 0.4197

Background



This preview shows how black text looks on a background with the Yxy color 51.5448, 0.3002, 0.4197.

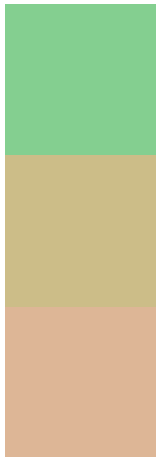


This preview shows how white text looks on a background with the Yxy color 51.5448, 0.3002, 0.4197.

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

51.5448, 0.3002, 0.4197

Protanopia

51.0101, 0.3680, 0.3949

Deuteranopia

51.0301, 0.3744, 0.3670



Tritanopia

51.3542, 0.2650, 0.3080

Trichromacy



Original Color

51.5448, 0.3002, 0.4197



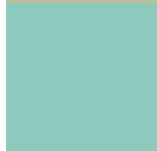
Protanomaly

50.8089, 0.3406, 0.4047



Deuteranomaly

50.2185, 0.3445, 0.3848



Tritanomaly

51.1101, 0.2774, 0.3453

Monochromacy



Original Color

51.5448, 0.3002, 0.4197



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

46.2601, 0.3080, 0.3609

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.5448, 0.3002, 0.4197 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(132, 207, 144)` looks like.

```
.text, #text, p{  
    color:rgb(132, 207, 144)  
}
```

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(132, 207, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 207, 144) }
```

Border

The CSS property to change the border of an element to Yxy 51.5448, 0.3002, 0.4197 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(132, 207, 144) }
```

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

```
.border{ border-color:rgb(132, 207, 144) }
```

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

Here you see how a box with a 4 pixel rgb(132, 207, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 207, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 207, 144);  
box-shadow:4px 4px 4px 4px rgb(132, 207,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 51.5448, 0.3002, 0.4197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 207, 144) }
```

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

```
.background{ background-color: rgb(132,  
207, 144) }
```

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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