

Converting Colors

Yxy(52.3385, 0.2950, 0.4071)

Have a look what the booklet for
Yxy(52.3385, 0.2950, 0.4071)
contains.

Yxy(52.3982, 0.2953, 0.4074)	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(52.3982, 0.2953, 0.4074)

Conversions

Conversions Part 1

Format	Color
Hex	85D099
RGB	133, 208, 153
RGB Percent	52%, 82%, 60%
CMY	0.4783, 0.1843, 0.4001
CMYK	0.36, 0.00, 0.26, 0.18
HSL	136°, 44%, 67%
HSV	136°, 36%, 82%
XYZ	37.9803, 52.3982, 38.2376
YIQ	179.3050, -27.0450, -33.0050

Conversions

Conversions Part 2

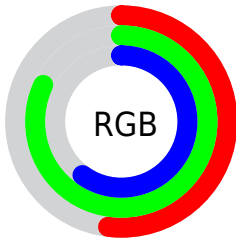
Format	Color
RYB	133, 192, 208
Decimal	8769689
CIELab	77.52, -34.82, 20.13
CIElCh	78, 40.220, 149.960
Yxy	52.3982, 0.2953, 0.4074
Android (android.graphics.Color)	4286959769 (0xFF85D099)
YUV	179.3050, -12.9684, -40.6095
Hunter-Lab	72.3866, -33.0199, 19.3512

Details

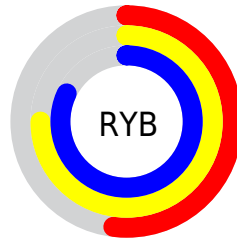
The Yxy color **52.3982, 0.2953, 0.4074** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **33.8272, 0.3367, 0.2619**, and the grayscale version is **45.3353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7654, 0.2984, 0.3814**, and **25.4472, 0.2892, 0.4304** is the 20% darker color. If you saturate the color by 10%, you get **50.3987, 0.2914, 0.4341**, and if you desaturate by 10%, it is **54.8019, 0.2998, 0.3826**.

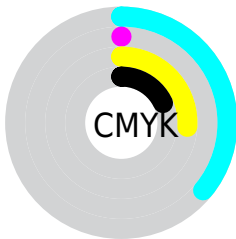
Distribution



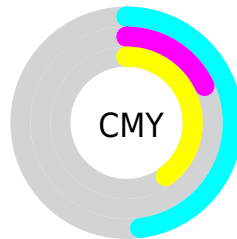
- Red (52%)
- Green (82%)
- Blue (60%)



- Red (52%)
- Yellow (75%)
- Blue (82%)



- Cyan (36%)
- Magenta (0%)
- Yellow (26%)
- Black (18%)




- Cyan (48%)
- Magenta (18%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.3982, 0.2953, 0.4074 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 52.3982, 0.2953, 0.4074 by changing the saturation by 10% instead.


 52.3982, 0.2953,
0.4074


 52.3982, 0.2953,
0.4074


395.9720, 0.3048,
0.3671

 37.3226, 0.2927,
0.4178


 93.7182, 0.2989,
0.3925

 25.4573, 0.2891,
0.4313


 120.7314, 0.3003,
0.3870

 16.4181, 0.2842,
0.4497


 152.4926, 0.3013,
0.3823

 9.8205, 0.2768,
0.4757

189.3862, 0.3023,
0.3784

 5.2801, 0.2646,
0.5155

231.7965, 0.3030,
0.3750

 2.4125, 0.2434,
0.5857

280.1079, 0.3037,

 0.8323, 0.0000,

0.3720

1.0000

334.7050, 0.3043,
0.3694

0.0000, 0.0000,
0.0000

52.3982, 0.2953,
0.4074

52.3982, 0.2953,
0.4074

50.3987, 0.2914,
0.4341

54.8019, 0.2998,
0.3826

48.7744, 0.2884,
0.4619

57.6237, 0.3047,
0.3601

47.5031, 0.2866,
0.4899

60.8850, 0.3097,
0.3400


46.5571, 0.2863,
0.5168

64.6037, 0.3147,
0.3222


45.9046, 0.2875,
0.5412

68.7967, 0.3195,
0.3067

 45.5062, 0.2902,
0.5616

 72.9389, 0.3221,
0.2929

 45.3912, 0.2913,
0.5685

 73.5921, 0.3149,
0.2831

Harmonies

Analogous

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



52.3982, 0.3485, 0.4274



52.3982, 0.2953, 0.4074



52.3982, 0.2493, 0.3595

Triad

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



52.3982, 0.2953, 0.4074



52.3982, 0.2332, 0.2455



52.3982, 0.4133, 0.3391

Complementary

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



52.3982, 0.2953, 0.4074



33.8272, 0.3367, 0.2619

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.



52.3982, 0.3770, 0.2982



52.3982, 0.2953, 0.4074



52.3982, 0.2710, 0.2464

Square

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



52.3982, 0.2953, 0.4074



52.3982, 0.2160, 0.2651



52.3982, 0.3234, 0.2654



52.3982, 0.4191, 0.3810

Rectangle

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



52.3982, 0.2953, 0.4074



52.3982, 0.2283, 0.3227



52.3982, 0.3234, 0.2654



52.3982, 0.4041, 0.3249

Sweetspot

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



52.4004, 0.2953, 0.4074



93.8070, 0.3071, 0.3499



57.6584, 0.3510, 0.4230



19.9284, 0.3065, 0.3527



0.0000, 0.0000, 0.0000



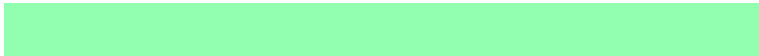
21.4041, 0.3127, 0.3290

Same Dimension

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



52.4004, 0.2953, 0.4074



80.6479, 0.2923, 0.4271



53.7867, 0.2732, 0.3545



13.2572, 0.3080, 0.3465



28.3039, 0.2906, 0.5662



1.5959, 0.2803, 0.5289

Inverse Universe

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



33.8272, 0.3367, 0.2619



47.0996, 0.3433, 0.2483



32.4534, 0.3769, 0.3054



11.9531, 0.3178, 0.3121



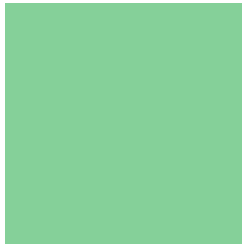
9.8011, 0.4014, 0.1985



0.5608, 0.3834, 0.1886

Previews

White Background



This preview shows how the Yxy color 52.3982, 0.2953, 0.4074 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 52.3982, 0.2953, 0.4074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

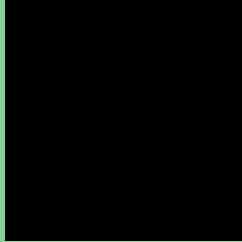
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.3982, 0.2953, 0.4074

Background



This preview shows how black text looks on a background with the Yxy color 52.3982, 0.2953, 0.4074.



This preview shows how white text looks on a background with the Yxy color 52.3982, 0.2953, 0.4074.

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

52.3982, 0.2953, 0.4074

Protanopia

51.7086, 0.3604, 0.3849

Deuteranopia

51.5512, 0.3662, 0.3588



Tritanopia

52.3774, 0.2642, 0.3081

Trichromacy



Original Color

52.3982, 0.2953, 0.4074



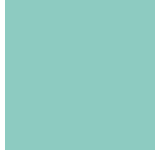
Protanomaly

51.5356, 0.3337, 0.3938



Deuteranomaly

50.7909, 0.3371, 0.3756



Tritanomaly

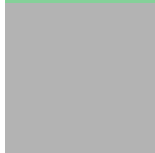
52.2248, 0.2752, 0.3424

Monochromacy



Original Color

52.3982, 0.2953, 0.4074



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

47.4106, 0.3050, 0.3564

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.3982, 0.2953, 0.4074 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(133, 208, 153)` looks like.

```
.text, #text, p{  
    color:rgb(133, 208, 153)  
}
```

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(133, 208, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 208, 153) }
```

Border

The CSS property to change the border of an element to Yxy 52.3982, 0.2953, 0.4074 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(133, 208, 153) }
```

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

```
.border{ border-color:rgb(133, 208, 153) }
```

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

Here you see how a box with a 4 pixel rgb(133, 208, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 208, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 208, 153);  
box-shadow:4px 4px 4px 4px rgb(133, 208,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 52.3982, 0.2953, 0.4074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 208, 153) }
```

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

```
.background{ background-color: rgb(133,  
208, 153) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor