

Converting Colors

$Yxy(40.8503, 0.2837, 0.3756)$

Have a look what the booklet for
Yxy(40.8503, 0.2837, 0.3756)
contains.

Yxy(41.0576, 0.2835, 0.3754)	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(41.0576, 0.2835, 0.3754)

Conversions

Conversions Part 1

Format	Color
Hex	78B99B
RGB	120, 185, 155
RGB Percent	47%, 73%, 61%
CMY	0.5296, 0.2745, 0.3921
CMYK	0.35, 0.00, 0.16, 0.27
HSL	152°, 32%, 60%
HSV	152°, 35%, 73%
XYZ	31.0065, 41.0576, 37.3062
YIQ	162.1450, -29.1100, -23.1100

Conversions

Conversions Part 2

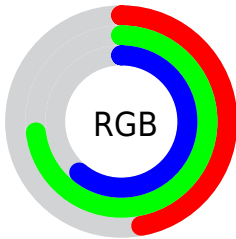
Format	Color
RYB	120, 162, 185
Decimal	7911835
CIELab	70.22, -27.42, 8.70
CIELCh	70, 28.771, 162.400
Yxy	41.0576, 0.2835, 0.3754
Android (android.graphics.Color)	4286101915 (0xFF78B99B)
YUV	162.1450, -3.5225, -36.9612
Hunter-Lab	64.0762, -25.7572, 10.3337

Details

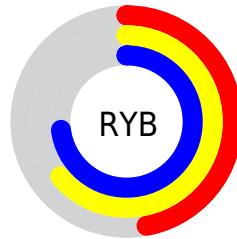
The Yxy color **41.0576, 0.2835, 0.3754** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **25.9368, 0.3568, 0.2872**, and the grayscale version is **36.2259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5127, 0.2893, 0.3664**, and **18.7309, 0.2743, 0.3912** is the 20% darker color. If you saturate the color by 10%, you get **39.5859, 0.2768, 0.3914**, and if you desaturate by 10%, it is **42.8085, 0.2912, 0.3606**.

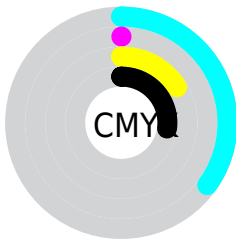
Distribution



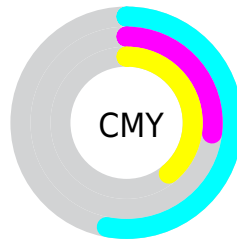
- Red (47%)
- Green (73%)
- Blue (61%)



- Red (47%)
- Yellow (64%)
- Blue (73%)



- Cyan (35%)
- Magenta (0%)
- Yellow (16%)
- Black (27%)



- Cyan (53%)
- Magenta (27%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.0576, 0.2835, 0.3754 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 41.0576, 0.2835, 0.3754 by changing the saturation by 10% instead.


 41.0576, 0.2835,
0.3754


 41.0576, 0.2835,
0.3754


350.5613, 0.2988,
0.3510


 28.3641, 0.2795,
0.3819


 76.7713, 0.2892,
0.3662

 18.6003, 0.2742,
0.3906


 100.5603, 0.2913,
0.3629

 11.3818, 0.2669,
0.4026


 128.8166, 0.2930,
0.3601

 6.3243, 0.2562,
0.4203

161.9246, 0.2945,
0.3577

 3.0432, 0.2391,
0.4491

200.2687, 0.2958,
0.3557

 1.1544, 0.1858,
0.5288

244.2332, 0.2969,

 0.0239, 0.0000,

0.3539

1.0000

294.2026, 0.2979,
0.3523

0.0000, 0.0000,
0.0000

41.0576, 0.2835,
0.3754

41.0576, 0.2835,
0.3754

39.5859, 0.2768,
0.3914

42.8085, 0.2912,
0.3606

38.3730, 0.2714,
0.4084

44.8475, 0.2995,
0.3470

37.4041, 0.2675,
0.4261

47.1892, 0.3082,
0.3348


36.6602, 0.2655,
0.4441


49.8460, 0.3170,
0.3239


36.1199, 0.2655,
0.4619

52.8294, 0.3258,
0.3142

 35.7566, 0.2674,
0.4792

 56.1502, 0.3345,
0.3056

 35.6173, 0.2687,
0.4874

 59.8189, 0.3429,
0.2981

 61.3044, 0.3405,
0.2902

 61.7769, 0.3337,
0.2819

Harmonies

Analogous

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



41.0576, 0.3244, 0.4008



41.0576, 0.2835, 0.3754



41.0576, 0.2518, 0.3355

Triad

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



41.0576, 0.2835, 0.3754



41.0576, 0.2608, 0.2612



41.0576, 0.3956, 0.3523

Complementary

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



41.0576, 0.2835, 0.3754



25.9368, 0.3568, 0.2872

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.



41.0576, 0.3765, 0.3183



41.0576, 0.2835, 0.3754



41.0576, 0.2966, 0.2679

Square

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



41.0576, 0.2835, 0.3754



41.0576, 0.2396, 0.2707



41.0576, 0.3393, 0.2883



41.0576, 0.3904, 0.3832

Rectangle

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



41.0576, 0.2835, 0.3754



41.0576, 0.2395, 0.3086



41.0576, 0.3393, 0.2883



41.0576, 0.3918, 0.3409

Sweetspot

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



41.0593, 0.2835, 0.3754



81.9157, 0.3029, 0.3420



42.5713, 0.3332, 0.4250



17.5408, 0.3017, 0.3437



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.



41.0593, 0.2835, 0.3754



71.4977, 0.2784, 0.3873



41.2950, 0.2634, 0.3256



10.1389, 0.3045, 0.3397



24.2636, 0.2681, 0.4853



0.8677, 0.2558, 0.4408

Inverse Universe

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



25.9368, 0.3568, 0.2872



40.4671, 0.3704, 0.2782



25.6186, 0.3940, 0.3323



9.0793, 0.3218, 0.3185



7.4873, 0.5094, 0.2580



0.2765, 0.4485, 0.2245

Previews

White Background



This preview shows how the Yxy color 41.0576, 0.2835, 0.3754 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 41.0576, 0.2835, 0.3754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

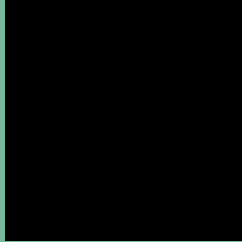
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.0576, 0.2835, 0.3754

Background



This preview shows how black text looks on a background with the Yxy color 41.0576, 0.2835, 0.3754.



This preview shows how white text looks on a background with the Yxy color 41.0576, 0.2835, 0.3754.

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

41.0576, 0.2835, 0.3754

Protanopia

40.4713, 0.3403, 0.3595

Deuteranopia

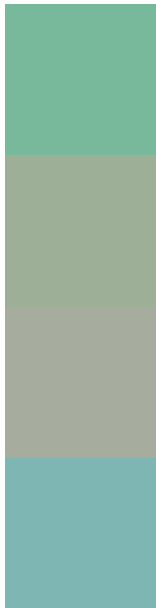
40.6199, 0.3439, 0.3370



Tritanopia

41.2047, 0.2631, 0.3087

Trichromacy



Original Color

41.0576, 0.2835, 0.3754

Protanomaly

40.1634, 0.3173, 0.3639

Deuteranomaly

40.0807, 0.3190, 0.3489

Tritanomaly

41.1868, 0.2705, 0.3318

Monochromacy



Original Color

41.0576, 0.2835, 0.3754

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.4557, 0.3013, 0.3454

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0576, 0.2835, 0.3754 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(120, 185, 155)` looks like.

```
.text, #text, p{  
    color:rgb(120, 185, 155)  
}
```

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(120, 185, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 185, 155) }
```

Border

The CSS property to change the border of an element to Yxy 41.0576, 0.2835, 0.3754 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(120, 185, 155) }
```

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

```
.border{ border-color:rgb(120, 185, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 185, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 185, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 185, 155);  
box-shadow:4px 4px 4px 4px rgb(120, 185,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0576, 0.2835, 0.3754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 185, 155) }
```

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

```
.background{ background-color: rgb(120,  
185, 155) }
```

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