

Converting Colors

$Y_{xy}(40.3773, 0.2918, 0.3676)$

Have a look what the booklet for
Yxy(40.3773, 0.2918, 0.3676)
contains.

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Color

Yxy(40.3536, 0.2914, 0.3670)

Conversions

Conversions Part 1

Format	Color
Hex	84B59C
RGB	132, 181, 156
RGB Percent	52%, 71%, 61%
CMY	0.4824, 0.2902, 0.3882
CMYK	0.27, 0.00, 0.14, 0.29
HSL	149°, 25%, 61%
HSV	149°, 27%, 71%
XYZ	32.0410, 40.3536, 37.5607
YIQ	163.4990, -21.1790, -18.1630

Conversions

Conversions Part 2

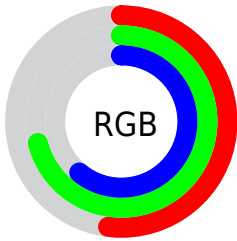
Format	Color
RYB	132, 165, 181
Decimal	8697244
CIELab	69.72, -21.50, 7.53
CIELCh	70, 22.781, 160.705
Yxy	40.3536, 0.2914, 0.3670
Android (android.graphics.Color)	4286887324 (0xFF84B59C)
YUV	163.4990, -3.6970, -27.6246
Hunter-Lab	63.5245, -21.1346, 9.4102

Details

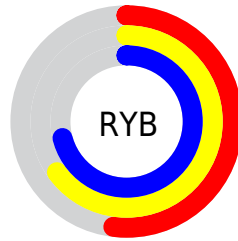
The Yxy color **40.3536, 0.2914, 0.3670** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **28.7594, 0.3413, 0.2940**, and the grayscale version is **36.9004, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6606, 0.2959, 0.3601**, and **18.2076, 0.2845, 0.3791** is the 20% darker color. If you saturate the color by 10%, you get **38.7196, 0.2844, 0.3837**, and if you desaturate by 10%, it is **42.2679, 0.2990, 0.3517**.

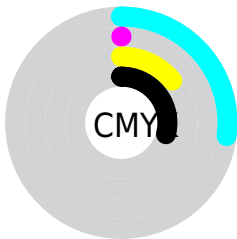
Distribution



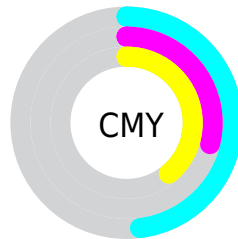
- Red (52%)
- Green (71%)
- Blue (61%)



- Red (52%)
- Yellow (65%)
- Blue (71%)



- Cyan (27%)
- Magenta (0%)
- Yellow (14%)
- Black (29%)





- Cyan (48%)
- Magenta (29%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3536, 0.2914, 0.3670 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 40.3536, 0.2914, 0.3670 by changing the saturation by 10% instead.


 40.3536, 0.2914,
0.3670


 40.3536, 0.2914,
0.3670


347.6117, 0.3026,
0.3470


 27.8143, 0.2884,
0.3723


 75.7017, 0.2956,
0.3595

 18.1858, 0.2845,
0.3794


 99.2793, 0.2971,
0.3568

 11.0834, 0.2792,
0.3891


 127.3051, 0.2984,
0.3545

 6.1230, 0.2712,
0.4036

160.1636, 0.2995,
0.3525

 2.9200, 0.2585,
0.4270

198.2391, 0.3004,
0.3509

 1.0901, 0.2229,
0.4881

241.9160, 0.3012,

 0.0000, 0.0000,

0.3494

0.0000

291.5787, 0.3019,
0.3482

■ 40.3536, 0.2914,
0.3670

■ 40.3536, 0.2914,
0.3670

■ 38.7196, 0.2844,
0.3837

■ 42.2679, 0.2990,
0.3517

■ 37.3472, 0.2784,
0.4018

■ 44.4701, 0.3070,
0.3379

■ 36.2233, 0.2737,
0.4209

■ 46.9737, 0.3151,
0.3255

■ 35.3317, 0.2706,
0.4406

■ 49.7898, 0.3232,
0.3146

■ 34.6539, 0.2693,
0.4605

■ 52.9292, 0.3312,
0.3049

■ 34.1687, 0.2700,
0.4799

■ 56.4017, 0.3389,
0.2965

■ 33.8459, 0.2724,
0.4985

■ 59.5089, 0.3432,
0.2886

■ 33.7658, 0.2733,
0.5038

■ 60.0133, 0.3357,
0.2797

■ 60.5451, 0.3283,
0.2710

Harmonies

Analogous

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



40.3536, 0.3244, 0.3860



40.3536, 0.2914, 0.3670



40.3536, 0.2650, 0.3364

Triad

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



40.3536, 0.2914, 0.3670



40.3536, 0.2698, 0.2743



40.3536, 0.3782, 0.3469

Complementary

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



40.3536, 0.2914, 0.3670



28.7594, 0.3413, 0.2940

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.



40.3536, 0.3621, 0.3193



40.3536, 0.2914, 0.3670



40.3536, 0.2983, 0.2788

Square

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



40.3536, 0.2914, 0.3670



40.3536, 0.2531, 0.2833



40.3536, 0.3322, 0.2950



40.3536, 0.3755, 0.3719

Rectangle

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



40.3536, 0.2914, 0.3670



40.3536, 0.2543, 0.3151



40.3536, 0.3322, 0.2950



40.3536, 0.3748, 0.3377

Sweetspot

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



40.3553, 0.2914, 0.3670



79.1992, 0.3061, 0.3393



41.9149, 0.3311, 0.4005



16.9853, 0.3049, 0.3413



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



40.3553, 0.2914, 0.3670



70.6134, 0.2875, 0.3760



41.2572, 0.2744, 0.3301



9.5572, 0.3052, 0.3408



23.2905, 0.2727, 0.5016



0.7446, 0.2581, 0.4492

Inverse Universe

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



28.7594, 0.3413, 0.2940



46.6404, 0.3489, 0.2866



28.0140, 0.3691, 0.3280



8.5752, 0.3210, 0.3174



7.3224, 0.4888, 0.2466



0.2421, 0.4301, 0.2143

Previews

White Background



This preview shows how the Yxy color 40.3536, 0.2914, 0.3670 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 40.3536, 0.2914, 0.3670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

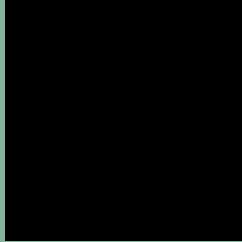
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.3536, 0.2914, 0.3670

Background



This preview shows how black text looks on a background with the Yxy color 40.3536, 0.2914, 0.3670.



This preview shows how white text looks on a background with the Yxy color 40.3536, 0.2914, 0.3670.

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

40.3536, 0.2914, 0.3670

Protanopia

39.9251, 0.3368, 0.3555

Deuteranopia

40.0361, 0.3412, 0.3344



Tritanopia

40.2573, 0.2721, 0.3089

Trichromacy



Original Color

40.3536, 0.2914, 0.3670

Protanomaly

39.7312, 0.3194, 0.3594

Deuteranomaly

39.6877, 0.3212, 0.3445

Tritanomaly

40.2894, 0.2785, 0.3289

Monochromacy



Original Color

40.3536, 0.2914, 0.3670

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.9981, 0.3040, 0.3422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3536, 0.2914, 0.3670 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, 181, 156)` looks like.

```
.text, #text, p{  
    color:rgb(132, 181, 156)  
}
```

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, 181, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 181, 156) }
```

Border

The CSS property to change the border of an element to Yxy 40.3536, 0.2914, 0.3670 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, 181, 156) }
```

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

```
.border{ border-color:rgb(132, 181, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 181, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 181, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 181, 156);  
box-shadow:4px 4px 4px 4px rgb(132, 181,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3536, 0.2914, 0.3670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 181, 156) }
```

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

```
.background{ background-color: rgb(132,  
181, 156) }
```

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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