

Converting Colors

$Y_{xy}(40.0275, 0.2924, 0.3660)$

Have a look what the booklet for
Yxy(40.0275, 0.2924, 0.3660)
contains.

Yxy(40.0294, 0.2921, 0.3655)	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(40.0294, 0.2921, 0.3655)

Conversions

Conversions Part 1

Format	Color
Hex	85B49C
RGB	133, 180, 156
RGB Percent	52%, 71%, 61%
CMY	0.4786, 0.2941, 0.3882
CMYK	0.26, 0.00, 0.13, 0.29
HSL	149°, 24%, 61%
HSV	149°, 26%, 71%
XYZ	31.9907, 40.0294, 37.4995
YIQ	163.2110, -20.3080, -17.4280

Conversions

Conversions Part 2

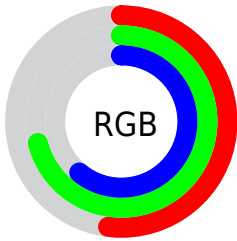
Format	Color
RYB	133, 165, 180
Decimal	8762524
CIELab	69.49, -20.69, 7.21
CIElCh	69, 21.911, 160.797
Yxy	40.0294, 0.2921, 0.3655
Android (android.graphics.Color)	4286952604 (0xFF85B49C)
YUV	163.2110, -3.5550, -26.4950
Hunter-Lab	63.2688, -20.4652, 9.1469

Details

The Yxy color **40.0294, 0.2921, 0.3655** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **28.9006, 0.3401, 0.2952**, and the grayscale version is **36.7523, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.2088, 0.2965, 0.3589**, and **17.9925, 0.2853, 0.3770** is the 20% darker color. If you saturate the color by 10%, you get **38.3905, 0.2851, 0.3821**, and if you desaturate by 10%, it is **41.9462, 0.2997, 0.3503**.

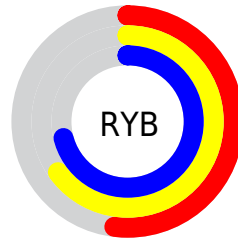
Distribution



Red (52%)

Green (71%)

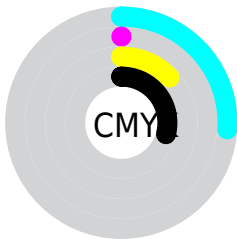
Blue (61%)



Red (52%)

Yellow (65%)

Blue (71%)

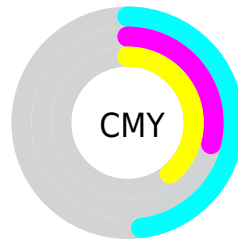


Cyan (26%)

Magenta (0%)

Yellow (13%)

Black (29%)



Cyan (48%)


Magenta (29%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0294, 0.2921, 0.3655 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 40.0294, 0.2921, 0.3655 by changing the saturation by 10% instead.


 40.0294, 0.2921,
0.3655


 40.0294, 0.2921,
0.3655


346.2475, 0.3029,
0.3463

 27.5615, 0.2892,
0.3706


 75.2083, 0.2961,
0.3583

 17.9953, 0.2855,
0.3774


 98.6880, 0.2976,
0.3557

 10.9466, 0.2802,
0.3868


 126.6071, 0.2989,
0.3535

 6.0310, 0.2726,
0.4007

159.3501, 0.2999,
0.3516

 2.8639, 0.2602,
0.4233

197.3012, 0.3008,
0.3500

 1.0611, 0.2249,
0.4835

240.8448, 0.3016,

 0.0000, 0.0000,

0.3486

0.0000

290.3655, 0.3023,
0.3474

■ 40.0294, 0.2921,
0.3655

■ 40.0294, 0.2921,
0.3655

■ 38.3905, 0.2851,
0.3821

■ 41.9462, 0.2997,
0.3503

■ 37.0111, 0.2790,
0.4000

■ 44.1483, 0.3077,
0.3367

■ 35.8786, 0.2741,
0.4190

■ 46.6490, 0.3159,
0.3245

■ 34.9769, 0.2708,
0.4387

■ 49.4592, 0.3240,
0.3136

■ 34.2881, 0.2693,
0.4586

■ 52.5894, 0.3319,
0.3041

■ 33.7916, 0.2698,
0.4781

■ 56.0494, 0.3396,
0.2957

■ 33.4605, 0.2722,
0.4968

■ 59.0890, 0.3437,
0.2880

■ 33.3554, 0.2733,
0.5038

■ 59.5896, 0.3361,
0.2791

■ 60.1174, 0.3287,
0.2704

Harmonies

Analogous

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



40.0294, 0.3240, 0.3839



40.0294, 0.2921, 0.3655



40.0294, 0.2666, 0.3360

Triad

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



40.0294, 0.2921, 0.3655



40.0294, 0.2713, 0.2761



40.0294, 0.3758, 0.3465

Complementary

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



40.0294, 0.2921, 0.3655



28.9006, 0.3401, 0.2952

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.



40.0294, 0.3604, 0.3198



40.0294, 0.2921, 0.3655



40.0294, 0.2989, 0.2805

Square

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



40.0294, 0.2921, 0.3655



40.0294, 0.2552, 0.2849



40.0294, 0.3317, 0.2962



40.0294, 0.3732, 0.3705

Rectangle

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



40.0294, 0.2921, 0.3655



40.0294, 0.2563, 0.3156



40.0294, 0.3317, 0.2962



40.0294, 0.3726, 0.3376

Sweetspot

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



40.0311, 0.2921, 0.3655



79.1991, 0.3061, 0.3393



41.5346, 0.3305, 0.3978



16.9852, 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.



40.0311, 0.2921, 0.3655



70.9109, 0.2882, 0.3743



40.8941, 0.2756, 0.3300



9.5572, 0.3052, 0.3408



23.2902, 0.2727, 0.5016



0.7446, 0.2581, 0.4492

Inverse Universe

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



28.9006, 0.3401, 0.2952



47.5121, 0.3475, 0.2880



28.1819, 0.3666, 0.3280



8.5752, 0.3210, 0.3174



7.3227, 0.4887, 0.2466



0.2422, 0.4300, 0.2143

Previews

White Background



This preview shows how the Yxy color 40.0294, 0.2921, 0.3655 looks on a white background.

Color Contrast Check

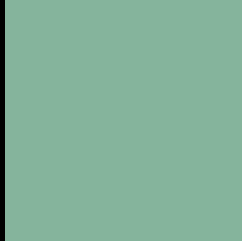
Large Text (above 18pt) WCAG AA × Fail

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 40.0294, 0.2921, 0.3655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

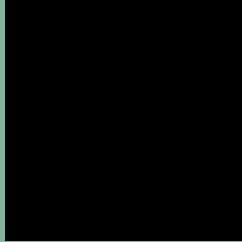
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.0294, 0.2921, 0.3655

Background



This preview shows how black text looks on a background with the Yxy color 40.0294, 0.2921, 0.3655.

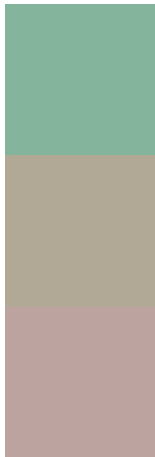


This preview shows how white text looks on a background with the Yxy color 40.0294, 0.2921, 0.3655.

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

40.0294, 0.2921, 0.3655

Protanopia

39.9251, 0.3368, 0.3555

Deuteranopia

39.5164, 0.3414, 0.3344



Tritanopia

39.9095, 0.2734, 0.3088

Trichromacy



Original Color

40.0294, 0.2921, 0.3655

Protanomaly

39.7312, 0.3194, 0.3594

Deuteranomaly

39.2796, 0.3221, 0.3446

Tritanomaly

39.9370, 0.2798, 0.3289

Monochromacy



Original Color

40.0294, 0.2921, 0.3655

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.5894, 0.3049, 0.3423

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0294, 0.2921, 0.3655 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, 180, 156)` looks like.

```
.text, #text, p{  
    color:rgb(133, 180, 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(133, 180, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 180, 156) }
```

Border

The CSS property to change the border of an element to Yxy 40.0294, 0.2921, 0.3655 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, 180, 156) }
```

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

```
.border{ border-color:rgb(133, 180, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 180, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 180, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 180, 156);  
box-shadow:4px 4px 4px 4px rgb(133, 180,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0294, 0.2921, 0.3655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 180, 156) }
```

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

```
.background{ background-color: rgb(133,  
180, 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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