

Converting Colors

$Y_{xy}(40.9935, 0.2860, 0.3274)$

Have a look what the booklet for
Yxy(40.9935, 0.2860, 0.3274)
contains.

Yxy(40.7696, 0.2861, 0.3275)	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(40.7696, 0.2861, 0.3275)

Conversions

Conversions Part 1

Format	Color
Hex	92B1B2
RGB	146, 177, 178
RGB Percent	57%, 69%, 70%
CMY	0.4273, 0.3059, 0.3020
CMYK	0.18, 0.01, 0.00, 0.30
HSL	182°, 17%, 64%
HSV	182°, 18%, 70%
XYZ	35.6158, 40.7696, 48.1019
YIQ	167.8450, -18.7970, -6.2610

Conversions

Conversions Part 2

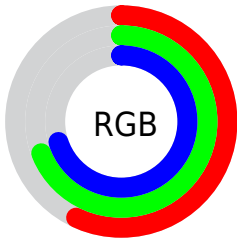
Format	Color
RYB	146, 162, 178
Decimal	9613746
CIELab	70.01, -10.28, -4.02
CIElCh	70, 11.038, 201.371
Yxy	40.7696, 0.2861, 0.3275
Android (android.graphics.Color)	4287803826 (0xFF92B1B2)
YUV	167.8450, 5.0064, -19.1581
Hunter-Lab	63.8511, -12.1729, 0.0299

Details

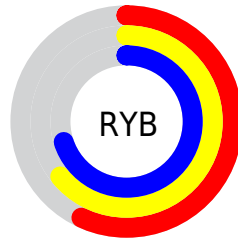
The Yxy color **40.7696, 0.2861, 0.3275** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.4157, 0.3465, 0.3305**, and the grayscale version is **39.0635, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4977, 0.2906, 0.3278**, and **18.3289, 0.2787, 0.3269** is the 20% darker color. If you saturate the color by 10%, you get **39.0479, 0.2725, 0.3266**, and if you desaturate by 10%, it is **42.7495, 0.3006, 0.3284**.

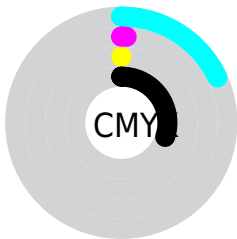
Distribution



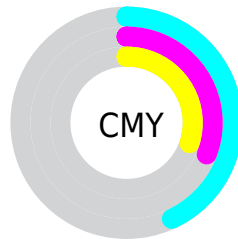
- Red (57%)
- Green (69%)
- Blue (70%)



- Red (57%)
- Yellow (64%)
- Blue (70%)



- Cyan (18%)
- Magenta (1%)
- Yellow (0%)
- Black (30%)





- Cyan (43%)
- Magenta (31%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7696, 0.2861, 0.3275 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 40.7696, 0.2861, 0.3275 by changing the saturation by 10% instead.


 40.7696, 0.2861,
0.3275

 40.7696, 0.2861,
0.3275


349.3567, 0.2996,
0.3284

 28.1391, 0.2827,
0.3272


 76.3340, 0.2911,
0.3279

 18.4305, 0.2782,
0.3268


 100.0367, 0.2929,
0.3280

 11.2595, 0.2722,
0.3263


128.1989, 0.2945,
0.3281

 6.2417, 0.2636,
0.3254

161.2051, 0.2958,
0.3282

 2.9926, 0.2506,
0.3238

199.4396, 0.2969,
0.3282

 1.1279, 0.2281,
0.3205

243.2867, 0.2980,

 0.0016, 0.0000,

0.3283

0.0055

293.1310, 0.2988,
0.3284

0.0000, 0.0000,
0.0000

40.7696, 0.2861,
0.3275

40.7696, 0.2861,
0.3275

39.0479, 0.2725,
0.3266

42.7495, 0.3006,
0.3284

37.5676, 0.2602,
0.3256

44.9936, 0.3159,
0.3292

36.3177, 0.2495,
0.3246

47.5137, 0.3315,
0.3299

35.2846, 0.2404,
0.3236

50.3198, 0.3473,
0.3305

34.4530, 0.2332,
0.3226

53.4209, 0.3631,
0.3311

■ 33.8056, 0.2279,
0.3215

■ 56.8261, 0.3785,
0.3316

■ 33.3223, 0.2244,
0.3205

■ 57.4580, 0.3802,
0.3322

■ 32.9708, 0.2224,
0.3195

■ 57.6817, 0.3801,
0.3328

■ 32.9041, 0.2220,
0.3193

■ 57.9063, 0.3799,
0.3334

Harmonies

Analogous

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



40.7696, 0.2974, 0.3423



40.7696, 0.2861, 0.3275



40.7696, 0.2818, 0.3136

Triad

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



40.7696, 0.2861, 0.3275



40.7696, 0.3118, 0.3062



40.7696, 0.3405, 0.3535

Complementary

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



40.7696, 0.2861, 0.3275



32.4157, 0.3465, 0.3305

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.



40.7696, 0.3447, 0.3431



40.7696, 0.2861, 0.3275



40.7696, 0.3279, 0.3162

Square

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



40.7696, 0.2861, 0.3275



40.7696, 0.2963, 0.3018



40.7696, 0.3400, 0.3296



40.7696, 0.3288, 0.3574

Rectangle

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



40.7696, 0.2861, 0.3275



40.7696, 0.2834, 0.3068



40.7696, 0.3400, 0.3296



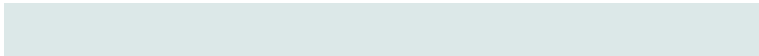
40.7696, 0.3428, 0.3506

Sweetspot

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



40.7713, 0.2861, 0.3275



78.6544, 0.3049, 0.3286



40.0420, 0.3101, 0.3761



17.3651, 0.3039, 0.3285



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.



40.7713, 0.2861, 0.3275



72.5101, 0.2799, 0.3271



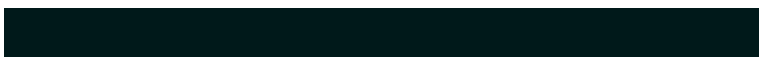
34.9862, 0.2849, 0.3046



9.5856, 0.2986, 0.3282



23.5661, 0.2221, 0.3194



0.7554, 0.2228, 0.3222

Inverse Universe

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



33.2077, 0.3157, 0.2866



55.9513, 0.3165, 0.2760



37.5725, 0.3428, 0.3522



8.6421, 0.3142, 0.3072



8.9191, 0.3287, 0.1584



0.2820, 0.3263, 0.1571

Previews

White Background



This preview shows how the Yxy color 40.7696, 0.2861, 0.3275 looks on a white background.

Color Contrast Check

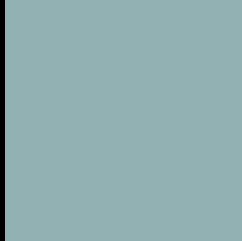
Large Text (above 18pt) WCAG AA × Fail

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 40.7696, 0.2861, 0.3275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

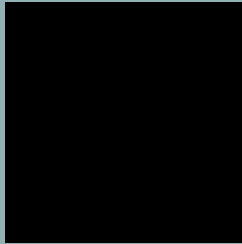
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

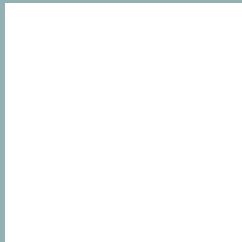
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.7696, 0.2861, 0.3275

Background



This preview shows how black text looks on a background with the Yxy color 40.7696, 0.2861, 0.3275.



This preview shows how white text looks on a background with the Yxy color 40.7696, 0.2861, 0.3275.

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

40.7696, 0.2861, 0.3275

Protanopia

40.6897, 0.3121, 0.3235

Deuteranopia

40.6350, 0.3163, 0.3105



Tritanopia

40.6300, 0.2795, 0.3092

Trichromacy



Original Color

40.7696, 0.2861, 0.3275

Protanomaly

40.7688, 0.3023, 0.3262

Deuteranomaly

40.5502, 0.3053, 0.3167

Tritanomaly

40.7565, 0.2817, 0.3161

Monochromacy



Original Color

40.7696, 0.2861, 0.3275

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.5780, 0.3021, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7696, 0.2861, 0.3275 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(146, 177, 178)` looks like.

```
.text, #text, p{  
    color:rgb(146, 177, 178)  
}
```

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(146, 177, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 177, 178) }
```

Border

The CSS property to change the border of an element to Yxy 40.7696, 0.2861, 0.3275 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(146, 177, 178) }
```

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

```
.border{ border-color:rgb(146, 177, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 177, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 177, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 177, 178);  
box-shadow:4px 4px 4px 4px rgb(146, 177,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7696, 0.2861, 0.3275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 177, 178) }
```

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

```
.background{ background-color: rgb(146,  
177, 178) }
```

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