

Converting Colors

$Y_{xy}(42.4301, 0.2856, 0.3376)$

Have a look what the booklet for
Yxy(42.4301, 0.2856, 0.3376)
contains.

| | |
|--|----|
| Yxy(42.4301, 0.2856, 0.3376) | 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(42.4301, 0.2856, 0.3376)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 8FB6B0 |
| RGB | 143, 182, 176 |
| RGB Percent | 56%, 71%, 69% |
| CMY | 0.4391, 0.2863, 0.3099 |
| CMYK | 0.21, 0.00, 0.03, 0.29 |
| HSL | 171°, 21%, 64% |
| HSV | 171°, 21%, 71% |
| XYZ | 35.8947, 42.4301, 47.3568 |
| YIQ | 169.6550, -21.3180, -10.1340 |

Conversions

Conversions Part 2

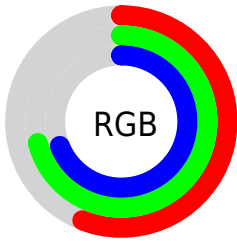
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 143, 164, 182 |
| Decimal | 9418416 |
| CIELab | 71.17, -14.31, -1.24 |
| CIElCh | 71, 14.361, 184.973 |
| Yxy | 42.4301, 0.2856, 0.3376 |
| Android (android.graphics.Color) | 4287608496 (0xFF8FB6B0) |
| YUV | 169.6550, 3.1281, -23.3764 |
| Hunter-Lab | 65.1384, -15.6294, 2.4919 |

Details

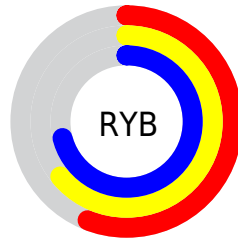
The Yxy color **42.4301, 0.2856, 0.3376** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.7739, 0.3486, 0.3206**, and the grayscale version is **40.0134, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8456, 0.2901, 0.3355**, and **19.4311, 0.2775, 0.3390** is the 20% darker color. If you saturate the color by 10%, you get **40.8263, 0.2742, 0.3422**, and if you desaturate by 10%, it is **44.3032, 0.2979, 0.3334**.

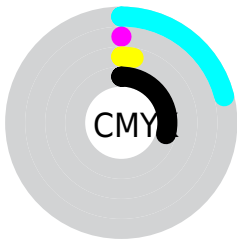
Distribution



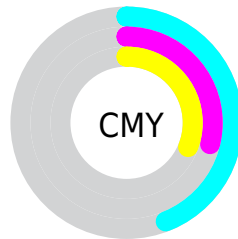
- Red (56%)
- Green (71%)
- Blue (69%)



- Red (56%)
- Yellow (64%)
- Blue (71%)



- Cyan (21%)
- Magenta (0%)
- Yellow (3%)
- Black (29%)





- Cyan (44%)
- Magenta (29%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.4301, 0.2856, 0.3376 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 42.4301, 0.2856, 0.3376 by changing the saturation by 10% instead.


 42.4301, 0.2856,
0.3376

 42.4301, 0.2856,
0.3376


356.2628, 0.2993,
0.3333

 29.4382, 0.2821,
0.3387


 78.8501, 0.2906,
0.3360

 19.4126, 0.2776,
0.3401


 103.0471, 0.2925,
0.3355

 11.9688, 0.2716,
0.3419

131.7479, 0.2941,
0.3350

 6.7224, 0.2630,
0.3444

165.3369, 0.2954,
0.3345

 3.2891, 0.2500,
0.3483

204.1985, 0.2966,
0.3342

 1.2845, 0.2279,
0.3545

248.7170, 0.2976,

 0.1291, 0.0000,

0.3338

0.3619

299.2770, 0.2985,
0.3336

0.0000, 0.0000,
0.0000

42.4301, 0.2856,
0.3376

42.4301, 0.2856,
0.3376

40.8263, 0.2742,
0.3422

44.3032, 0.2979,
0.3334

39.4739, 0.2641,
0.3470

46.4523, 0.3109,
0.3295

38.3609, 0.2554,
0.3522

48.8903, 0.3242,
0.3260

37.4723, 0.2484,
0.3575

51.6275, 0.3377,
0.3229

36.7912, 0.2432,
0.3629

54.6741, 0.3512,
0.3201

■ 36.2985, 0.2400,
0.3684

■ 58.0395, 0.3644,
0.3177

■ 35.9714, 0.2386,
0.3738

■ 58.6861, 0.3643,
0.3149

■ 35.7831, 0.2385,
0.3784

■ 58.8153, 0.3619,
0.3120

■ 58.9468, 0.3594,
0.3091

Harmonies

Analogous

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



42.4301, 0.3035, 0.3550



42.4301, 0.2856, 0.3376



42.4301, 0.2750, 0.3183

Triad

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



42.4301, 0.2856, 0.3376



42.4301, 0.3001, 0.2959



42.4301, 0.3528, 0.3537

Complementary

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



42.4301, 0.2856, 0.3376



31.7739, 0.3486, 0.3206

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.



42.4301, 0.3520, 0.3376



42.4301, 0.2856, 0.3376



42.4301, 0.3210, 0.3050

Square

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



42.4301, 0.2856, 0.3376



42.4301, 0.2831, 0.2950



42.4301, 0.3402, 0.3200



42.4301, 0.3425, 0.3640

Rectangle

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



42.4301, 0.2856, 0.3376



42.4301, 0.2733, 0.3073



42.4301, 0.3402, 0.3200



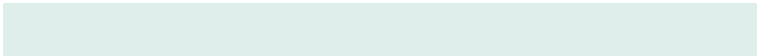
42.4301, 0.3538, 0.3488

Sweetspot

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



42.4318, 0.2856, 0.3376



82.3259, 0.3047, 0.3313



41.8794, 0.3155, 0.3865



18.1275, 0.3039, 0.3315



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.



42.4318, 0.2856, 0.3376



75.4060, 0.2797, 0.3399



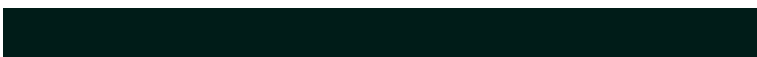
37.6010, 0.2801, 0.3100



10.1861, 0.3005, 0.3326



25.2781, 0.2383, 0.3778



0.8976, 0.2344, 0.3638

Inverse Universe

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



31.7739, 0.3486, 0.3206



52.3858, 0.3597, 0.3185



35.7150, 0.3514, 0.3472



9.0343, 0.3264, 0.3255



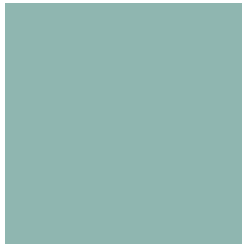
7.0893, 0.6159, 0.3167



0.2571, 0.5546, 0.2829

Previews

White Background



This preview shows how the Yxy color 42.4301, 0.2856, 0.3376 looks on a white background.

Color Contrast Check

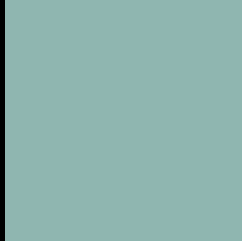
Large Text (above 18pt) WCAG AA × Fail

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 42.4301, 0.2856, 0.3376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

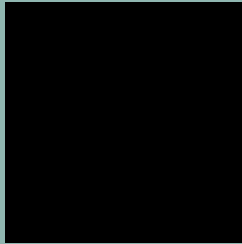
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

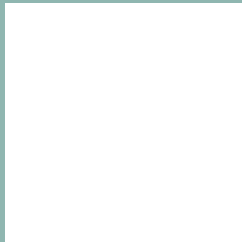
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.4301, 0.2856, 0.3376

Background



This preview shows how black text looks on a background with the Yxy color 42.4301, 0.2856, 0.3376.

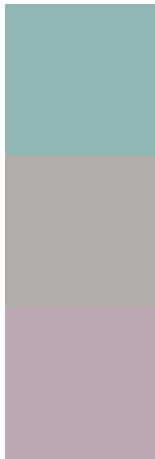


This preview shows how white text looks on a background with the Yxy color 42.4301, 0.2856, 0.3376.

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

42.4301, 0.2856, 0.3376

Protanopia

42.1745, 0.3180, 0.3317

Deuteranopia

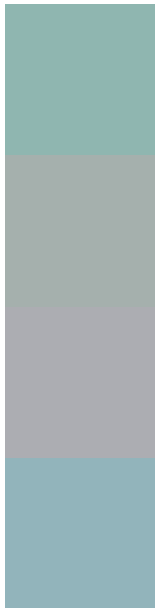
41.9513, 0.3216, 0.3147



Tritanopia

42.3383, 0.2757, 0.3080

Trichromacy



Original Color

42.4301, 0.2856, 0.3376

Protanomaly

42.0671, 0.3056, 0.3331

Deuteranomaly

41.8721, 0.3077, 0.3222

Tritanomaly

42.3414, 0.2799, 0.3190

Monochromacy



Original Color

42.4301, 0.2856, 0.3376

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.7242, 0.3021, 0.3318

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4301, 0.2856, 0.3376 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(143, 182, 176)` looks like.

```
.text, #text, p{  
    color:rgb(143, 182, 176)  
}
```

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(143, 182, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 182, 176) }
```

Border

The CSS property to change the border of an element to Yxy 42.4301, 0.2856, 0.3376 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(143, 182, 176) }
```

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

```
.border{ border-color:rgb(143, 182, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 182, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(143, 182, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(143, 182, 176); box-shadow:4px 4px 4px 4px rgb(143, 182, 176) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4301, 0.2856, 0.3376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 182, 176) }
```

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

```
.background{ background-color: rgb(143,  
182, 176) }
```

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