

Converting Colors

$Y_{xy}(41.2661, 0.2839, 0.3264)$

Have a look what the booklet for
Yxy(41.2661, 0.2839, 0.3264)
contains.

Yxy(41.1558, 0.2839, 0.3260)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.1558, 0.2839, 0.3260)

Conversions

Conversions Part 1

Format	Color
Hex	91B2B4
RGB	145, 178, 180
RGB Percent	57%, 70%, 71%
CMY	0.4313, 0.3020, 0.2940
CMYK	0.19, 0.01, 0.00, 0.29
HSL	183°, 19%, 64%
HSV	183°, 19%, 71%
XYZ	35.8409, 41.1558, 49.2481
YIQ	168.3610, -20.3100, -6.3740

Conversions

Conversions Part 2

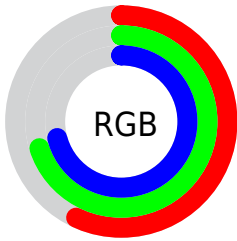
Format	Color
R_YB	145, 162, 180
Decimal	9548468
CIE Lab	70.28, -10.69, -4.76
CIE LCh	70, 11.698, 203.987
Yxy	41.1558, 0.2839, 0.3260
Android (android.graphics.Color)	4287738548 (0xFF91B2B4)
YUV	168.3610, 5.7380, -20.4876
Hunter-Lab	64.1528, -12.5430, -0.6081

Details

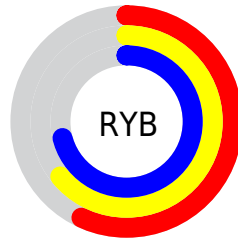
The Yxy color **41.1558, 0.2839, 0.3260** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.6368, 0.3498, 0.3320**, and the grayscale version is **39.3269, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0439, 0.2889, 0.3267**, and **18.5792, 0.2759, 0.3249** is the 20% darker color. If you saturate the color by 10%, you get **39.2352, 0.2704, 0.3243**, and if you desaturate by 10%, it is **43.3422, 0.2984, 0.3276**.

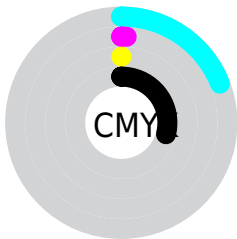
Distribution



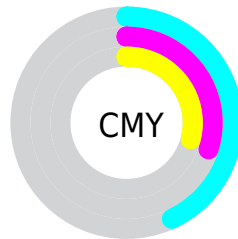
- Red (57%)
- Green (70%)
- Blue (71%)



- Red (57%)
- Yellow (64%)
- Blue (71%)



- Cyan (19%)
- Magenta (1%)
- Yellow (0%)
- Black (29%)



- Cyan (43%)
- Magenta (30%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.1558, 0.2839, 0.3260 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 41.1558, 0.2839, 0.3260 by changing the saturation by 10% instead.

■ 41.1558, 0.2839,
0.3260

■ 41.1558, 0.2839,
0.3260

350.9714, 0.2985,
0.3277

■ 28.4408, 0.2802,
0.3255

■ 76.9203, 0.2893,
0.3267

■ 18.6582, 0.2754,
0.3249

■ 100.7387, 0.2912,
0.3269

■ 11.4236, 0.2690,
0.3239

129.0270, 0.2929,
0.3271

■ 6.3525, 0.2598,
0.3225

162.1697, 0.2944,
0.3272

■ 3.0606, 0.2459,
0.3200

200.5510, 0.2956,
0.3274

■ 1.1634, 0.2224,
0.3150

244.5555, 0.2967,

■ 0.0315, 0.0000,

0.3275

0.0792

294.5675, 0.2977,
0.3276

0.0000, 0.0000,
0.0000

41.1558, 0.2839,
0.3260

41.1558, 0.2839,
0.3260

39.2352, 0.2704,
0.3243

43.3422, 0.2984,
0.3276

37.5630, 0.2580,
0.3225

45.8005, 0.3136,
0.3291

36.1278, 0.2472,
0.3206

48.5433, 0.3291,
0.3304

34.9152, 0.2381,
0.3187

51.5806, 0.3448,
0.3316

33.9092, 0.2309,
0.3167

54.9221, 0.3604,
0.3327

■ 33.0918, 0.2255,
0.3148

■ 58.5769, 0.3757,
0.3337

■ 32.4416, 0.2219,
0.3128

■ 59.3827, 0.3771,
0.3347

■ 31.9175, 0.2198,
0.3110

■ 59.8222, 0.3767,
0.3358

■ 31.8892, 0.2197,
0.3108

■ 60.2650, 0.3764,
0.3369

Harmonies

Analogous

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



41.1558, 0.2953, 0.3417



41.1558, 0.2839, 0.3260



41.1558, 0.2801, 0.3116

Triad

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



41.1558, 0.2839, 0.3260



41.1558, 0.3132, 0.3056



41.1558, 0.3413, 0.3555

Complementary

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



41.1558, 0.2839, 0.3260



32.6368, 0.3498, 0.3320

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.



41.1558, 0.3465, 0.3450



41.1558, 0.2839, 0.3260



41.1558, 0.3301, 0.3166

Square

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



41.1558, 0.2839, 0.3260



41.1558, 0.2967, 0.3005



41.1558, 0.3424, 0.3309



41.1558, 0.3283, 0.3591

Rectangle

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



41.1558, 0.2839, 0.3260



41.1558, 0.2822, 0.3048



41.1558, 0.3424, 0.3309



41.1558, 0.3440, 0.3527

Sweetspot

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



41.1575, 0.2839, 0.3260



79.9950, 0.3034, 0.3281



40.7747, 0.3089, 0.3787



17.2298, 0.3025, 0.3280



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.



41.1575, 0.2839, 0.3260



73.1706, 0.2784, 0.3253



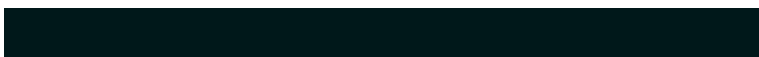
34.7301, 0.2824, 0.3006



9.5454, 0.2986, 0.3276



22.2839, 0.2198, 0.3111



0.7265, 0.2212, 0.3164

Inverse Universe

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



33.1795, 0.3169, 0.2842



56.2926, 0.3178, 0.2749



38.4015, 0.3453, 0.3559



8.6380, 0.3146, 0.3078



8.7897, 0.3358, 0.1623



0.2791, 0.3312, 0.1598

Previews

White Background



This preview shows how the Yxy color 41.1558, 0.2839, 0.3260 looks on a white background.

Color Contrast Check

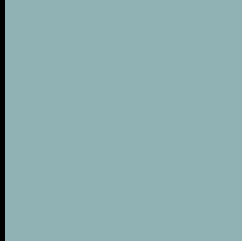
Large Text (above 18pt) WCAG AA × Fail

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 41.1558, 0.2839, 0.3260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

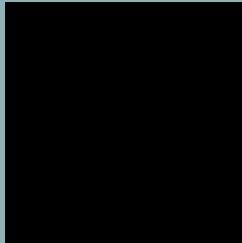
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

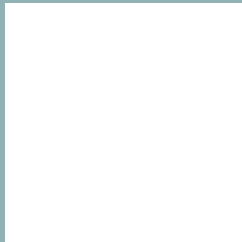
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.1558, 0.2839, 0.3260

Background



This preview shows how black text looks on a background with the Yxy color 41.1558, 0.2839, 0.3260.

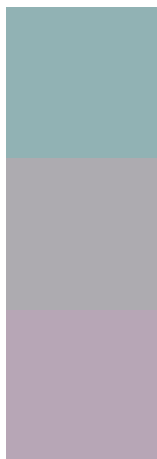


This preview shows how white text looks on a background with the Yxy color 41.1558, 0.2839, 0.3260.

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

41.1558, 0.2839, 0.3260

Protanopia

41.1446, 0.3103, 0.3222

Deuteranopia

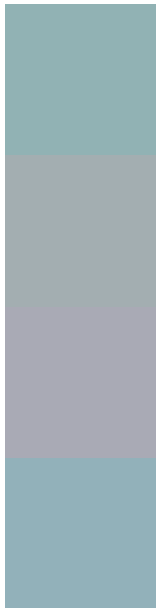
40.7171, 0.3146, 0.3079



Tritanopia

40.9714, 0.2781, 0.3092

Trichromacy



Original Color

41.1558, 0.2839, 0.3260

Protanomaly

41.2330, 0.3007, 0.3248

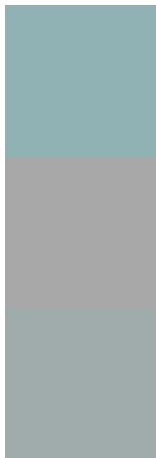
Deuteranomaly

40.5207, 0.3027, 0.3139

Tritanomaly

41.1004, 0.2803, 0.3161

Monochromacy



Original Color

41.1558, 0.2839, 0.3260

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.9572, 0.3021, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1558, 0.2839, 0.3260 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(145, 178, 180)` looks like.

```
.text, #text, p{  
    color:rgb(145, 178, 180)  
}
```

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(145, 178, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 178, 180) }
```

Border

The CSS property to change the border of an element to Yxy 41.1558, 0.2839, 0.3260 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(145, 178, 180) }
```

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

```
.border{ border-color:rgb(145, 178, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 178, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 178, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 178, 180);  
box-shadow:4px 4px 4px 4px rgb(145, 178,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1558, 0.2839, 0.3260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 178, 180) }
```

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

```
.background{ background-color: rgb(145,  
178, 180) }
```

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