

Converting Colors

$Y_{xy}(40.9316, 0.2813, 0.3358)$

Have a look what the booklet for
Yxy(40.9316, 0.2813, 0.3358)
contains.

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Color

Yxy(41.0560, 0.2815, 0.3362)

Conversions

Conversions Part 1

Format	Color
Hex	89B4AF
RGB	137, 180, 175
RGB Percent	54%, 71%, 69%
CMY	0.4628, 0.2941, 0.3136
CMYK	0.24, 0.00, 0.03, 0.29
HSL	173°, 22%, 62%
HSV	173°, 24%, 71%
XYZ	34.3762, 41.0560, 46.6856
YIQ	166.5730, -24.0230, -10.6710

Conversions

Conversions Part 2

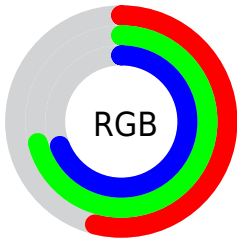
Format	Color
RYB	137, 160, 180
Decimal	9024687
CIELab	70.22, -15.38, -2.17
CIELCh	70, 15.529, 188.017
Yxy	41.0560, 0.2815, 0.3362
Android (android.graphics.Color)	4287214767 (0xFF89B4AF)
YUV	166.5730, 4.1545, -25.9355
Hunter-Lab	64.0750, -16.3661, 1.6532

Details

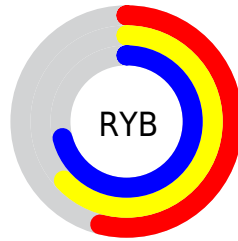
The Yxy color **41.0560, 0.2815, 0.3362** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **29.5431, 0.3558, 0.3220**, and the grayscale version is **38.4137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7804, 0.2875, 0.3356**, and **18.5872, 0.2721, 0.3372** is the 20% darker color. If you saturate the color by 10%, you get **39.5802, 0.2700, 0.3396**, and if you desaturate by 10%, it is **42.7901, 0.2940, 0.3330**.

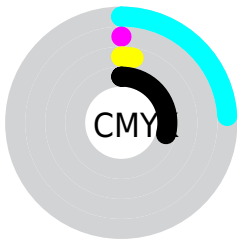
Distribution



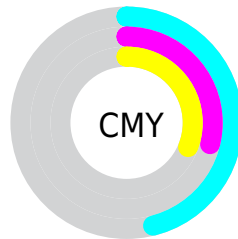
- Red (54%)
- Green (71%)
- Blue (69%)



- Red (54%)
- Yellow (63%)
- Blue (71%)



- Cyan (24%)
- Magenta (0%)
- Yellow (3%)
- Black (29%)




- Cyan (46%)
- Magenta (29%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.0560, 0.2815, 0.3362 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 41.0560, 0.2815, 0.3362 by changing the saturation by 10% instead.


 41.0560, 0.2815,
0.3362

 41.0560, 0.2815,
0.3362


350.5546, 0.2974,
0.3326

 28.3628, 0.2775,
0.3371


 76.7689, 0.2873,
0.3349

 18.5994, 0.2722,
0.3382


 100.5574, 0.2895,
0.3344

 11.3811, 0.2652,
0.3396


 128.8132, 0.2913,
0.3340

 6.3238, 0.2552,
0.3417

161.9206, 0.2929,
0.3337

 3.0430, 0.2399,
0.3445

200.2641, 0.2942,
0.3334

 1.1542, 0.2120,
0.3498

244.2280, 0.2954,

 0.0238, 0.0000,

0.3331

0.1184

294.1967, 0.2964,
0.3329

0.0000, 0.0000,
0.0000

41.0560, 0.2815,
0.3362

41.0560, 0.2815,
0.3362

39.5802, 0.2700,
0.3396

42.7901, 0.2940,
0.3330

38.3453, 0.2598,
0.3433

44.7894, 0.3074,
0.3301

37.3390, 0.2512,
0.3471

47.0663, 0.3212,
0.3274

36.5466, 0.2444,
0.3510

49.6313, 0.3353,
0.3250

35.9511, 0.2394,
0.3550

52.4943, 0.3494,
0.3229

■ 35.5331, 0.2364,
0.3589

■ 55.6646, 0.3633,
0.3210

■ 35.2695, 0.2351,
0.3629

■ 57.6041, 0.3702,
0.3191

■ 35.1541, 0.2348,
0.3653

■ 57.6955, 0.3683,
0.3170

■ 57.7882, 0.3665,
0.3148

Harmonies

Analogous

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



41.0560, 0.3004, 0.3558



41.0560, 0.2815, 0.3362



41.0560, 0.2710, 0.3152

Triad

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



41.0560, 0.2815, 0.3362



41.0560, 0.3011, 0.2936



41.0560, 0.3559, 0.3574

Complementary

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



41.0560, 0.2815, 0.3362



29.5431, 0.3558, 0.3220

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.



41.0560, 0.3564, 0.3402



41.0560, 0.2815, 0.3362



41.0560, 0.3241, 0.3042

Square

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



41.0560, 0.2815, 0.3362



41.0560, 0.2820, 0.2915



41.0560, 0.3446, 0.3210



41.0560, 0.3435, 0.3678

Rectangle

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



41.0560, 0.2815, 0.3362



41.0560, 0.2699, 0.3036



41.0560, 0.3446, 0.3210



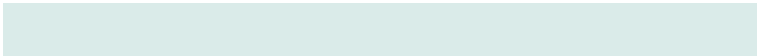
41.0560, 0.3575, 0.3522

Sweetspot

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



41.0577, 0.2815, 0.3362



79.9869, 0.3030, 0.3310



40.2011, 0.3139, 0.3944



17.2415, 0.3022, 0.3312



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.



41.0577, 0.2815, 0.3362



72.8876, 0.2749, 0.3381



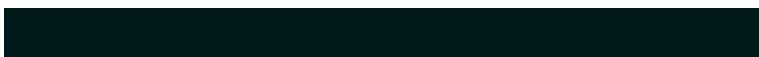
34.9900, 0.2760, 0.3043



9.6143, 0.3001, 0.3316



24.5406, 0.2347, 0.3648



0.7769, 0.2316, 0.3538

Inverse Universe

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



29.5431, 0.3558, 0.3220



48.1456, 0.3695, 0.3203



34.4484, 0.3561, 0.3525



8.5207, 0.3269, 0.3264



6.8150, 0.6237, 0.3209



0.2195, 0.5701, 0.2914

Previews

White Background



This preview shows how the Yxy color 41.0560, 0.2815, 0.3362 looks on a white background.

Color Contrast Check

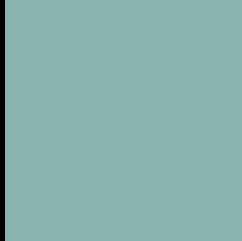
Large Text (above 18pt) WCAG AA × Fail

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 41.0560, 0.2815, 0.3362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

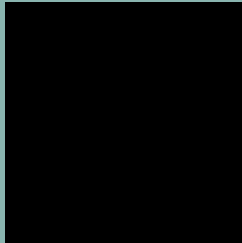
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

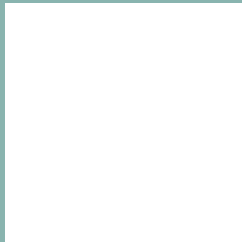
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.0560, 0.2815, 0.3362

Background



This preview shows how black text looks on a background with the Yxy color 41.0560, 0.2815, 0.3362.

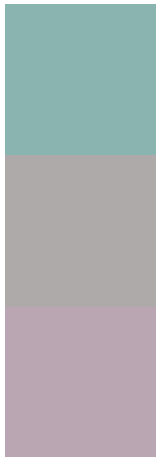


This preview shows how white text looks on a background with the Yxy color 41.0560, 0.2815, 0.3362.

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

41.0560, 0.2815, 0.3362

Protanopia

40.6127, 0.3172, 0.3304

Deuteranopia

40.8011, 0.3199, 0.3132



Tritanopia

40.8255, 0.2716, 0.3076

Trichromacy



Original Color

41.0560, 0.2815, 0.3362

Protanomaly

40.7894, 0.3038, 0.3332

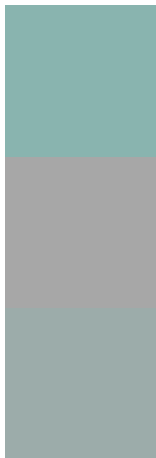
Deuteranomaly

40.6250, 0.3051, 0.3207

Tritanomaly

40.8749, 0.2751, 0.3174

Monochromacy



Original Color

41.0560, 0.2815, 0.3362

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.4752, 0.3003, 0.3318

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0560, 0.2815, 0.3362 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(137, 180, 175)` looks like.

```
.text, #text, p{  
    color:rgb(137, 180, 175)  
}
```

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(137, 180, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 180, 175) }
```

Border

The CSS property to change the border of an element to Yxy 41.0560, 0.2815, 0.3362 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(137, 180, 175) }
```

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

```
.border{ border-color:rgb(137, 180, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 180, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 180, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 180, 175);  
box-shadow:4px 4px 4px 4px rgb(137, 180,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0560, 0.2815, 0.3362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 180, 175) }
```

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

```
.background{ background-color: rgb(137,  
180, 175) }
```

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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