

Converting Colors

$Y_{xy}(41.8916, 0.2832, 0.3289)$

Have a look what the booklet for
Yxy(41.8916, 0.2832, 0.3289)
contains.

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Color

Yxy(41.8671, 0.2833, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	90B4B4
RGB	144, 180, 180
RGB Percent	56%, 71%, 71%
CMY	0.4353, 0.2941, 0.2941
CMYK	0.20, 0.00, 0.00, 0.29
HSL	180°, 19%, 64%
HSV	180°, 20%, 71%
XYZ	36.0625, 41.8671, 49.3647
YIQ	169.2360, -21.4560, -7.6320

Conversions

Conversions Part 2

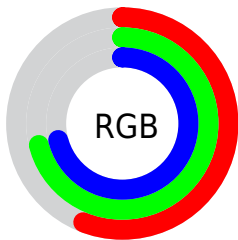
Format	Color
R_YB	144, 162, 180
Decimal	9483444
CIE Lab	70.78, -12.08, -4.02
CIE LCh	71, 12.729, 198.433
Yxy	41.8671, 0.2833, 0.3289
Android (android.graphics.Color)	4287673524 (0xFF90B4B4)
YUV	169.2360, 5.3067, -22.1320
Hunter-Lab	64.7048, -13.7484, 0.0597

Details

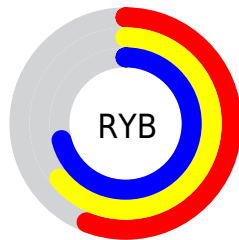
The Yxy color **41.8671, 0.2833, 0.3289** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.6694, 0.3516, 0.3291**, and the grayscale version is **39.7819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0528, 0.2884, 0.3289**, and **19.0382, 0.2753, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **40.3734, 0.2701, 0.3289**, and if you desaturate by 10%, it is **43.6227, 0.2976, 0.3290**.

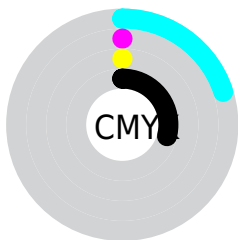
Distribution



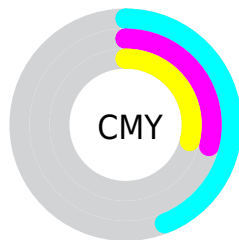
- Red (56%)
- Green (71%)
- Blue (71%)



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



- Cyan (20%)
- Magenta (0%)
- Yellow (0%)
- Black (29%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8671, 0.2833, 0.3289 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 41.8671, 0.2833, 0.3289 by changing the saturation by 10% instead.


 41.8671, 0.2833,
0.3289


 41.8671, 0.2833,
0.3289

353.9317, 0.2982,
0.3291

 28.9972, 0.2795,
0.3288


 77.9984, 0.2887,
0.3290

 19.0787, 0.2747,
0.3286


 102.0287, 0.2908,
0.3290

 11.7272, 0.2682,
0.3284


130.5479, 0.2925,
0.3291

 6.5582, 0.2589,
0.3279

163.9405, 0.2940,
0.3291

 3.1874, 0.2450,
0.3269

202.5907, 0.2952,
0.3291

 1.2303, 0.2214,
0.3245

246.8831, 0.2963,

 0.0863, 0.0000,

0.3291

0.1869

297.2019, 0.2973,
0.3291

0.0000, 0.0000,
0.0000

41.8671, 0.2833,
0.3289

41.8671, 0.2833,
0.3289

40.3734, 0.2701,
0.3289

43.6227, 0.2976,
0.3290

39.1243, 0.2584,
0.3288

45.6464, 0.3127,
0.3290

38.1081, 0.2483,
0.3288

47.9506, 0.3284,
0.3291

37.3105, 0.2399,
0.3287

50.5457, 0.3443,
0.3291

36.7155, 0.2335,
0.3287

53.4411, 0.3603,
0.3292

■ 36.3047, 0.2289,
0.3287

■ 56.6460, 0.3761,
0.3292

■ 36.0566, 0.2261,
0.3287

■ 57.2096, 0.3787,
0.3292

■ 35.9265, 0.2246,
0.3287

■ 57.2112, 0.3787,
0.3292

■ 35.9265, 0.2246,
0.3287

■ 57.2127, 0.3787,
0.3292

Harmonies

Analogous

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



41.8671, 0.2968, 0.3457



41.8671, 0.2833, 0.3289



41.8671, 0.2775, 0.3127

Triad

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



41.8671, 0.2833, 0.3289



41.8671, 0.3098, 0.3022



41.8671, 0.3454, 0.3560

Complementary

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



41.8671, 0.2833, 0.3289



31.6694, 0.3516, 0.3291

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.



41.8671, 0.3492, 0.3436



41.8671, 0.2833, 0.3289



41.8671, 0.3283, 0.3131

Square

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



41.8671, 0.2833, 0.3289



41.8671, 0.2925, 0.2980



41.8671, 0.3429, 0.3280



41.8671, 0.3327, 0.3615

Rectangle

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



41.8671, 0.2833, 0.3289



41.8671, 0.2787, 0.3046



41.8671, 0.3429, 0.3280



41.8671, 0.3478, 0.3525

Sweetspot

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



41.8688, 0.2833, 0.3289



80.4588, 0.3034, 0.3290



40.5901, 0.3102, 0.3831



17.3405, 0.3024, 0.3290



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.



41.8688, 0.2833, 0.3289



74.6561, 0.2773, 0.3289



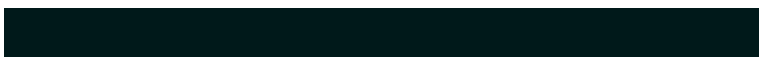
35.0693, 0.2817, 0.3024



9.6313, 0.2986, 0.3290



25.0718, 0.2246, 0.3287



0.7890, 0.2246, 0.3287

Inverse Universe

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



32.9486, 0.3150, 0.2802



55.5272, 0.3155, 0.2694



37.5619, 0.3468, 0.3542



8.6467, 0.3138, 0.3066



9.0711, 0.3210, 0.1542



0.2854, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 41.8671, 0.2833, 0.3289 looks on a white background.

Color Contrast Check

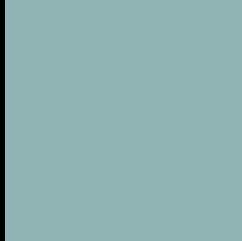
Large Text (above 18pt) WCAG AA × Fail

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 41.8671, 0.2833, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

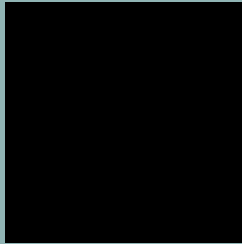
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

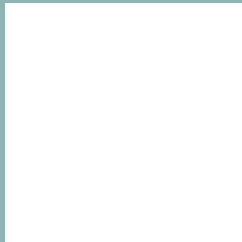
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.8671, 0.2833, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 41.8671, 0.2833, 0.3289.

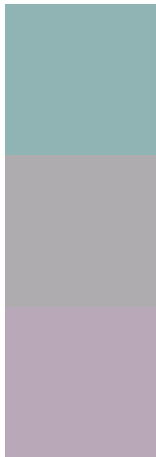


This preview shows how white text looks on a background with the Yxy color 41.8671, 0.2833, 0.3289.

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

41.8671, 0.2833, 0.3289

Protanopia

41.7142, 0.3129, 0.3249

Deuteranopia

41.7384, 0.3155, 0.3094



Tritanopia

41.7576, 0.2762, 0.3093

Trichromacy



Original Color

41.8671, 0.2833, 0.3289

Protanomaly

41.7268, 0.3016, 0.3262

Deuteranomaly

41.4285, 0.3028, 0.3154

Tritanomaly

41.8908, 0.2783, 0.3162

Monochromacy



Original Color

41.8671, 0.2833, 0.3289

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.3779, 0.3013, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8671, 0.2833, 0.3289 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(144, 180, 180)` looks like.

```
.text, #text, p{  
    color:rgb(144, 180, 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(144, 180, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 180, 180) }
```

Border

The CSS property to change the border of an element to Yxy 41.8671, 0.2833, 0.3289 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(144, 180, 180) }
```

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

```
.border{ border-color:rgb(144, 180, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 180, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 180, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 180, 180);  
box-shadow:4px 4px 4px 4px rgb(144, 180,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8671, 0.2833, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 180, 180) }
```

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

```
.background{ background-color: rgb(144,  
180, 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](#).

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