

Converting Colors

$Y_{xy}(41.9250, 0.2673, 0.3384)$

Have a look what the booklet for
Yxy(41.9250, 0.2673, 0.3384)
contains.

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Color

Yxy(41.8745, 0.2670, 0.3378)

Conversions

Conversions Part 1

Format	Color
Hex	77B9B3
RGB	119, 185, 179
RGB Percent	47%, 73%, 70%
CMY	0.5332, 0.2745, 0.2980
CMYK	0.36, 0.00, 0.03, 0.27
HSL	175°, 32%, 60%
HSV	175°, 36%, 73%
XYZ	33.0980, 41.8745, 48.9899
YIQ	164.5820, -37.4100, -15.8580

Conversions

Conversions Part 2

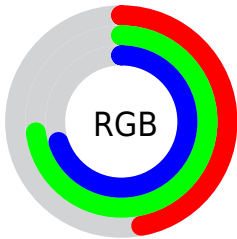
Format	Color
RYB	119, 154, 185
Decimal	7846323
CIELab	70.78, -22.30, -3.63
CIElCh	71, 22.594, 189.235
Yxy	41.8745, 0.2670, 0.3378
Android (android.graphics.Color)	4286036403 (0xFF77B9B3)
YUV	164.5820, 7.1081, -39.9754
Hunter-Lab	64.7105, -21.9447, 0.4111

Details

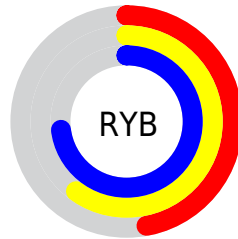
The Yxy color **41.8745, 0.2670, 0.3378** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **24.9988, 0.3889, 0.3207**, and the grayscale version is **37.4002, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9074, 0.2754, 0.3357**, and **19.1671, 0.2542, 0.3416** is the 20% darker color. If you saturate the color by 10%, you get **40.6241, 0.2569, 0.3407**, and if you desaturate by 10%, it is **43.3839, 0.2785, 0.3351**.

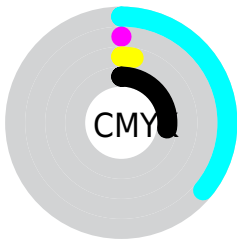
Distribution



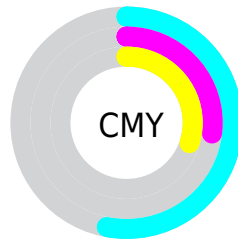
- Red (47%)
- Green (73%)
- Blue (70%)



- Red (47%)
- Yellow (60%)
- Blue (73%)



- Cyan (36%)
- Magenta (0%)
- Yellow (3%)
- Black (27%)




- Cyan (53%)
- Magenta (27%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8745, 0.2670, 0.3378 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 41.8745, 0.2670, 0.3378 by changing the saturation by 10% instead.


 41.8745, 0.2670,
0.3378

 41.8745, 0.2670,
0.3378

353.9624, 0.2900,
0.3336

 29.0030, 0.2612,
0.3388


 78.0097, 0.2754,
0.3363

 19.0831, 0.2537,
0.3400


 102.0421, 0.2786,
0.3358

 11.7304, 0.2437,
0.3415


 130.5637, 0.2812,
0.3353

 6.5603, 0.2297,
0.3435

163.9588, 0.2835,
0.3348

 3.1887, 0.2087,
0.3461

202.6119, 0.2855,
0.3345

 1.2310, 0.1685,
0.3514

246.9072, 0.2872,

 0.0868, 0.0000,

0.3341

0.1997

297.2293, 0.2887,
0.3339

0.0000, 0.0000,
0.0000

41.8745, 0.2670,
0.3378

41.8745, 0.2670,
0.3378

40.6241, 0.2569,
0.3407

43.3839, 0.2785,
0.3351

39.6128, 0.2484,
0.3436

45.1609, 0.2912,
0.3326

38.8258, 0.2417,
0.3467


47.2198, 0.3048,
0.3302


38.2449, 0.2369,
0.3498


49.5725, 0.3189,
0.3281

37.8486, 0.2340,
0.3528

52.2302, 0.3334,
0.3262

 37.6102, 0.2328,
0.3559

 55.2036, 0.3479,
0.3245

 37.5310, 0.2326,
0.3572

 58.5026, 0.3624,
0.3230

 59.7817, 0.3664,
0.3214

 59.8568, 0.3649,
0.3196

Harmonies

Analogous

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



41.8745, 0.2934, 0.3674



41.8745, 0.2670, 0.3378



41.8745, 0.2529, 0.3072

Triad

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



41.8745, 0.2670, 0.3378



41.8745, 0.2970, 0.2793



41.8745, 0.3748, 0.3700

Complementary

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



41.8745, 0.2670, 0.3378



24.9988, 0.3889, 0.3207

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.



41.8745, 0.3765, 0.3453



41.8745, 0.2670, 0.3378



41.8745, 0.3302, 0.2946

Square

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



41.8745, 0.2670, 0.3378



41.8745, 0.2695, 0.2755



41.8745, 0.3599, 0.3182



41.8745, 0.3559, 0.3855

Rectangle

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



41.8745, 0.2670, 0.3378



41.8745, 0.2518, 0.2911



41.8745, 0.3599, 0.3182



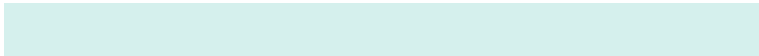
41.8745, 0.3774, 0.3625

Sweetspot

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



41.8762, 0.2670, 0.3378



82.4720, 0.2972, 0.3315



40.4372, 0.3130, 0.4330



17.6745, 0.2954, 0.3318



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.



41.8762, 0.2670, 0.3378



73.1632, 0.2587, 0.3401



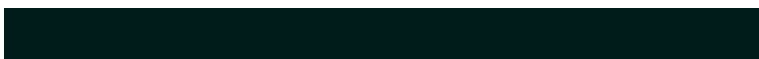
32.0913, 0.2577, 0.2881



10.1962, 0.2997, 0.3311



25.5621, 0.2325, 0.3568



0.9053, 0.2303, 0.3489

Inverse Universe

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



24.9988, 0.3889, 0.3207



38.3337, 0.4152, 0.3189



32.0272, 0.3835, 0.3663



9.0251, 0.3274, 0.3270



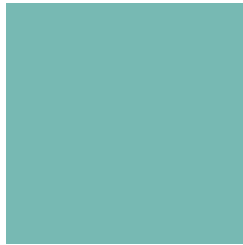
7.0551, 0.6281, 0.3234



0.2532, 0.5860, 0.3002

Previews

White Background



This preview shows how the Yxy color 41.8745, 0.2670, 0.3378 looks on a white background.

Color Contrast Check

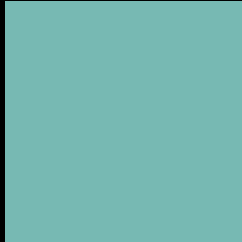
Large Text (above 18pt) WCAG AA × Fail

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 41.8745, 0.2670, 0.3378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

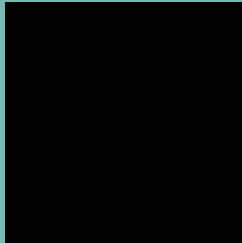
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

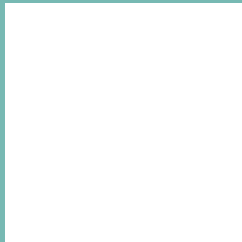
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.8745, 0.2670, 0.3378

Background



This preview shows how black text looks on a background with the Yxy color 41.8745, 0.2670, 0.3378.



This preview shows how white text looks on a background with the Yxy color 41.8745, 0.2670, 0.3378.

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

41.8745, 0.2670, 0.3378

Protanopia

41.6754, 0.3172, 0.3304

Deuteranopia

41.2467, 0.3146, 0.3080



Tritanopia

41.7722, 0.2584, 0.3073

Trichromacy



Original Color

41.8745, 0.2670, 0.3378

Protanomaly

41.4688, 0.2963, 0.3332

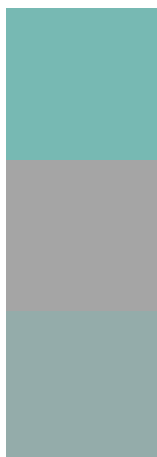
Deuteranomaly

41.1231, 0.2943, 0.3178

Tritanomaly

41.7223, 0.2616, 0.3186

Monochromacy



Original Color

41.8745, 0.2670, 0.3378

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.7032, 0.2934, 0.3319

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8745, 0.2670, 0.3378 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(119, 185, 179)` looks like.

```
.text, #text, p{  
    color:rgb(119, 185, 179)  
}
```

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(119, 185, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 185, 179) }
```

Border

The CSS property to change the border of an element to Yxy 41.8745, 0.2670, 0.3378 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(119, 185, 179) }
```

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

```
.border{ border-color:rgb(119, 185, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 185, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 185, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 185, 179);  
box-shadow:4px 4px 4px 4px rgb(119, 185,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8745, 0.2670, 0.3378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 185, 179) }
```

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

```
.background{ background-color: rgb(119,  
185, 179) }
```

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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