

Converting Colors

$Y_{xy}(41.2971, 0.2783, 0.3377)$

Have a look what the booklet for
Yxy(41.2971, 0.2783, 0.3377)
contains.

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Color

Yxy(41.1294, 0.2787, 0.3378)

Conversions

Conversions Part 1

Format	Color
Hex	85B5AF
RGB	133, 181, 175
RGB Percent	52%, 71%, 69%
CMY	0.4784, 0.2902, 0.3138
CMYK	0.27, 0.00, 0.03, 0.29
HSL	172°, 24%, 62%
HSV	172°, 27%, 71%
XYZ	33.9336, 41.1294, 46.6937
YIQ	165.9640, -26.6820, -12.0420

Conversions

Conversions Part 2

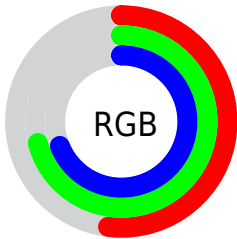
Format	Color
RYB	133, 159, 181
Decimal	8762799
CIELab	70.27, -17.13, -2.09
CIELCh	70, 17.260, 186.942
Yxy	41.1294, 0.2787, 0.3378
Android (android.graphics.Color)	4286952879 (0xFF85B5AF)
YUV	165.9640, 4.4547, -28.9094
Hunter-Lab	64.1322, -17.7836, 1.7244

Details

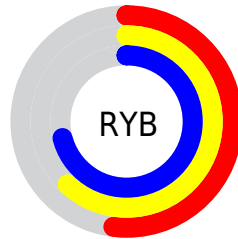
The Yxy color **41.1294, 0.2787, 0.3378** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **28.4679, 0.3615, 0.3205**, and the grayscale version is **38.1037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8463, 0.2851, 0.3368**, and **18.6622, 0.2686, 0.3393** is the 20% darker color. If you saturate the color by 10%, you get **39.6938, 0.2676, 0.3416**, and if you desaturate by 10%, it is **42.8237, 0.2909, 0.3343**.

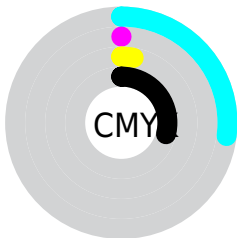
Distribution



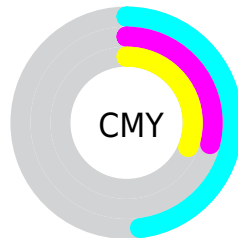
- Red (52%)
- Green (71%)
- Blue (69%)



- Red (52%)
- Yellow (62%)
- Blue (71%)



- Cyan (27%)
- Magenta (0%)
- Yellow (3%)
- Black (29%)




- Cyan (48%)
- Magenta (29%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.1294, 0.2787, 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 41.1294, 0.2787, 0.3378 by changing the saturation by 10% instead.


 41.1294, 0.2787,
0.3378


 41.1294, 0.2787,
0.3378


350.8611, 0.2960,
0.3334

 28.4202, 0.2743,
0.3389


 76.8803, 0.2850,
0.3362

 18.6427, 0.2686,
0.3402


 100.6908, 0.2874,
0.3356

 11.4124, 0.2610,
0.3421


 128.9705, 0.2894,
0.3351

 6.3449, 0.2501,
0.3445

162.1038, 0.2911,
0.3347

 3.0559, 0.2336,
0.3481

200.4751, 0.2926,
0.3343

 1.1610, 0.2025,
0.3550

244.4689, 0.2938,

 0.0295, 0.0000,

0.3340

0.1422

294.4694, 0.2950,
0.3337

0.0000, 0.0000,
0.0000

41.1294, 0.2787,
0.3378

41.1294, 0.2787,
0.3378

39.6938, 0.2676,
0.3416

42.8237, 0.2909,
0.3343

38.4989, 0.2579,
0.3456

44.7839, 0.3039,
0.3310

37.5321, 0.2499,
0.3498

47.0228, 0.3175,
0.3280

36.7779, 0.2436,
0.3541

49.5511, 0.3314,
0.3253

36.2185, 0.2392,
0.3585

52.3791, 0.3453,
0.3229

■ 35.8335, 0.2367,
0.3628

■ 55.5161, 0.3592,
0.3208

■ 35.5952, 0.2359,
0.3671

■ 58.0664, 0.3687,
0.3188

■ 35.5271, 0.2357,
0.3686

■ 58.1672, 0.3667,
0.3165

■ 58.2696, 0.3648,
0.3141

Harmonies

Analogous

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



41.1294, 0.2998, 0.3596



41.1294, 0.2787, 0.3378



41.1294, 0.2667, 0.3143

Triad

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



41.1294, 0.2787, 0.3378



41.1294, 0.2989, 0.2896



41.1294, 0.3610, 0.3598

Complementary

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



41.1294, 0.2787, 0.3378



28.4679, 0.3615, 0.3205

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.



41.1294, 0.3610, 0.3405



41.1294, 0.2787, 0.3378



41.1294, 0.3244, 0.3011

Square

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



41.1294, 0.2787, 0.3378



41.1294, 0.2780, 0.2876



41.1294, 0.3474, 0.3193



41.1294, 0.3476, 0.3719

Rectangle

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



41.1294, 0.2787, 0.3378



41.1294, 0.2652, 0.3013



41.1294, 0.3474, 0.3193



41.1294, 0.3626, 0.3539

Sweetspot

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



41.1311, 0.2787, 0.3378



79.6012, 0.3018, 0.3315



40.2676, 0.3146, 0.4025



17.0874, 0.2998, 0.3320



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.



41.1311, 0.2787, 0.3378



72.0583, 0.2719, 0.3401



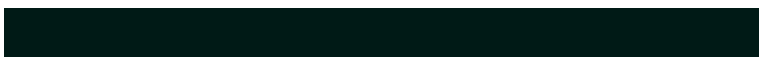
34.6630, 0.2721, 0.3024



9.6128, 0.3002, 0.3319



24.4974, 0.2356, 0.3681



0.7759, 0.2322, 0.3560

Inverse Universe

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



28.4679, 0.3615, 0.3205



45.4355, 0.3769, 0.3185



33.5256, 0.3622, 0.3541



8.5221, 0.3268, 0.3262



6.8201, 0.6218, 0.3199



0.2201, 0.5649, 0.2886

Previews

White Background



This preview shows how the Yxy color 41.1294, 0.2787, 0.3378 looks on a white background.

Color Contrast Check

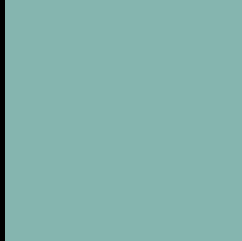
Large Text (above 18pt) WCAG AA × Fail

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 41.1294, 0.2787, 0.3378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

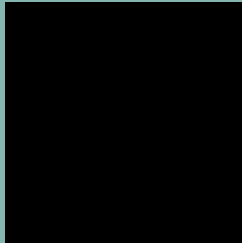
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

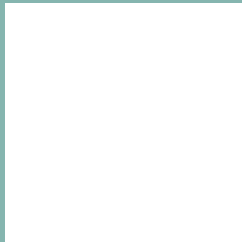
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.1294, 0.2787, 0.3378

Background



This preview shows how black text looks on a background with the Yxy color 41.1294, 0.2787, 0.3378.



This preview shows how white text looks on a background with the Yxy color 41.1294, 0.2787, 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

41.1294, 0.2787, 0.3378

Protanopia

40.7280, 0.3181, 0.3304

Deuteranopia

40.8011, 0.3199, 0.3132



Tritanopia

41.0094, 0.2689, 0.3075

Trichromacy



Original Color

41.1294, 0.2787, 0.3378

Protanomaly

40.6860, 0.3029, 0.3332

Deuteranomaly

40.4071, 0.3033, 0.3207

Tritanomaly

41.0196, 0.2731, 0.3188

Monochromacy



Original Color

41.1294, 0.2787, 0.3378

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.8604, 0.2993, 0.3319

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1294, 0.2787, 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(133, 181, 175)` looks like.

```
.text, #text, p{  
    color:rgb(133, 181, 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(133, 181, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 181, 175) }
```

Border

The CSS property to change the border of an element to Yxy 41.1294, 0.2787, 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(133, 181, 175) }
```

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

```
.border{ border-color:rgb(133, 181, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 181, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 181, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 181, 175);  
box-shadow:4px 4px 4px 4px rgb(133, 181,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1294, 0.2787, 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(133, 181, 175) }
```

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

```
.background{ background-color: rgb(133,  
181, 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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