

Converting Colors

$Y_{xy}(41.5556, 0.2778, 0.3370)$

Have a look what the booklet for
Yxy(41.5556, 0.2778, 0.3370)
contains.

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Color

Yxy(41.5770, 0.2781, 0.3377)

Conversions

Conversions Part 1

Format	Color
Hex	85B6B0
RGB	133, 182, 176
RGB Percent	52%, 71%, 69%
CMY	0.4784, 0.2863, 0.3097
CMYK	0.27, 0.00, 0.03, 0.29
HSL	173°, 25%, 62%
HSV	173°, 27%, 71%
XYZ	34.2392, 41.5770, 47.3020
YIQ	166.6650, -27.2780, -12.2540

Conversions

Conversions Part 2

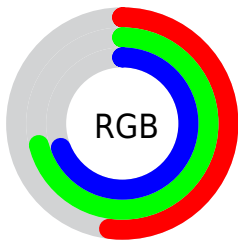
Format	Color
RYB	133, 159, 182
Decimal	8763056
CIELab	70.58, -17.42, -2.20
CIElCh	71, 17.554, 187.201
Yxy	41.5770, 0.2781, 0.3377
Android (android.graphics.Color)	4286953136 (0xFF85B6B0)
YUV	166.6650, 4.6022, -29.5242
Hunter-Lab	64.4802, -18.0565, 1.6417

Details

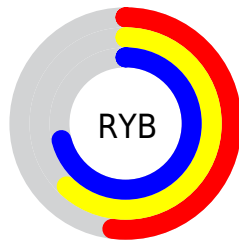
The Yxy color **41.5770, 0.2781, 0.3377** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **28.5866, 0.3627, 0.3206**, and the grayscale version is **38.4612, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5401, 0.2841, 0.3356**, and **18.9051, 0.2671, 0.3393** is the 20% darker color. If you saturate the color by 10%, you get **40.1360, 0.2670, 0.3414**, and if you desaturate by 10%, it is **43.2795, 0.2903, 0.3342**.

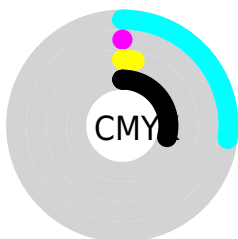
Distribution



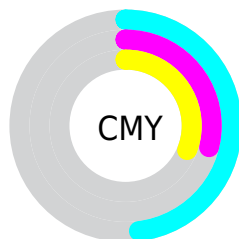
- Red (52%)
- Green (71%)
- Blue (69%)



- 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 41.5770, 0.2781, 0.3377 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 41.5770, 0.2781, 0.3377 by changing the saturation by 10% instead.


 41.5770, 0.2781,
0.3377


 41.5770, 0.2781,
0.3377


352.7264, 0.2956,
0.3334

 28.7702, 0.2737,
0.3388

 77.5590, 0.2845,
0.3362

 18.9071, 0.2679,
0.3401


 101.5031, 0.2869,
0.3356

 11.6031, 0.2602,
0.3419


 129.9283, 0.2889,
0.3351

 6.4741, 0.2492,
0.3443

163.2192, 0.2907,
0.3346

 3.1354, 0.2326,
0.3477

201.7600, 0.2922,
0.3343

 1.2028, 0.2024,
0.3539

245.9352, 0.2935,

 0.0640, 0.0000,

0.3340

0.2226

296.1292, 0.2946,
0.3337

0.0000, 0.0000,
0.0000

41.5770, 0.2781,
0.3377

41.5770, 0.2781,
0.3377

40.1360, 0.2670,
0.3414

43.2795, 0.2903,
0.3342

38.9382, 0.2574,
0.3453

45.2507, 0.3033,
0.3310

37.9708, 0.2493,
0.3494

47.5039, 0.3170,
0.3281

37.2179, 0.2431,
0.3536

50.0497, 0.3309,
0.3255

36.6615, 0.2388,
0.3578

52.8986, 0.3449,
0.3232

■ 36.2807, 0.2363,
0.3620

■ 56.0602, 0.3588,
0.3211

■ 36.0462, 0.2355,
0.3662

■ 58.5034, 0.3679,
0.3192

■ 35.9861, 0.2354,
0.3675

■ 58.6025, 0.3659,
0.3168

■ 58.7030, 0.3640,
0.3145

Harmonies

Analogous

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



41.5770, 0.2995, 0.3599



41.5770, 0.2781, 0.3377



41.5770, 0.2661, 0.3139

Triad

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



41.5770, 0.2781, 0.3377



41.5770, 0.2990, 0.2892



41.5770, 0.3616, 0.3603

Complementary

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



41.5770, 0.2781, 0.3377



28.5866, 0.3627, 0.3206

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.



41.5770, 0.3617, 0.3408



41.5770, 0.2781, 0.3377



41.5770, 0.3248, 0.3008

Square

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



41.5770, 0.2781, 0.3377



41.5770, 0.2777, 0.2871



41.5770, 0.3481, 0.3194



41.5770, 0.3479, 0.3725

Rectangle

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



41.5770, 0.2781, 0.3377



41.5770, 0.2646, 0.3008



41.5770, 0.3481, 0.3194



41.5770, 0.3632, 0.3544

Sweetspot

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



41.5787, 0.2781, 0.3377



81.5766, 0.3017, 0.3314



40.6856, 0.3146, 0.4038



17.8938, 0.2997, 0.3319



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.



41.5787, 0.2781, 0.3377



73.8543, 0.2717, 0.3398



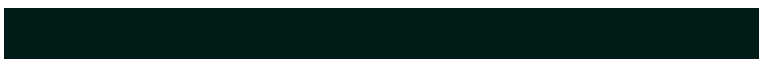
34.9289, 0.2715, 0.3020



10.1912, 0.3001, 0.3318



25.4193, 0.2353, 0.3670



0.9015, 0.2323, 0.3562

Inverse Universe

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



28.5866, 0.3627, 0.3206



46.5343, 0.3773, 0.3188



33.7633, 0.3632, 0.3545



9.0296, 0.3269, 0.3262



7.0701, 0.6227, 0.3204



0.2551, 0.5700, 0.2914

Previews

White Background



This preview shows how the Yxy color 41.5770, 0.2781, 0.3377 looks on a white background.

Color Contrast Check

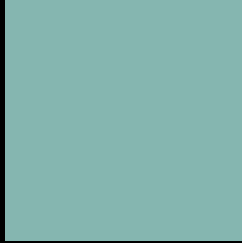
Large Text (above 18pt) WCAG AA × Fail

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 41.5770, 0.2781, 0.3377 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

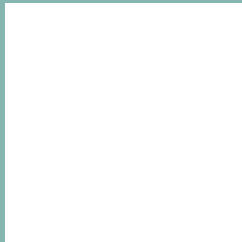
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.5770, 0.2781, 0.3377

Background



This preview shows how black text looks on a background with the Yxy color 41.5770, 0.2781, 0.3377.

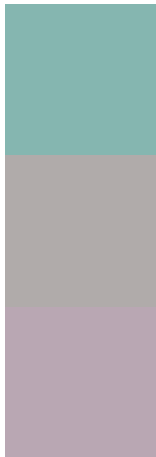


This preview shows how white text looks on a background with the Yxy color 41.5770, 0.2781, 0.3377.

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

41.5770, 0.2781, 0.3377

Protanopia

41.2582, 0.3181, 0.3304

Deuteranopia

41.2064, 0.3190, 0.3132



Tritanopia

41.4536, 0.2684, 0.3076

Trichromacy



Original Color

41.5770, 0.2781, 0.3377

Protanomaly

41.1121, 0.3021, 0.3332

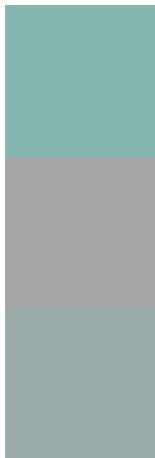
Deuteranomaly

40.8264, 0.3025, 0.3207

Tritanomaly

41.4646, 0.2725, 0.3188

Monochromacy



Original Color

41.5770, 0.2781, 0.3377

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.3759, 0.2994, 0.3318

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5770, 0.2781, 0.3377 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, 182, 176)` looks like.

```
.text, #text, p{  
    color:rgb(133, 182, 176)  
}
```

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, 182, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 182, 176) }
```

Border

The CSS property to change the border of an element to Yxy 41.5770, 0.2781, 0.3377 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, 182, 176) }
```

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

```
.border{ border-color:rgb(133, 182, 176) }
```

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

Here you see how a box with a 4 pixel rgb(133, 182, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 182, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 182, 176);  
box-shadow:4px 4px 4px 4px rgb(133, 182,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5770, 0.2781, 0.3377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 182, 176) }
```

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

```
.background{ background-color: rgb(133,  
182, 176) }
```

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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