

Converting Colors

$Y_{xy}(40.7030, 0.2820, 0.3444)$

Have a look what the booklet for
Yxy(40.7030, 0.2820, 0.3444)
contains.

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Color

Yxy(40.5313, 0.2821, 0.3438)

Conversions

Conversions Part 1

Format	Color
Hex	85B4AA
RGB	133, 180, 170
RGB Percent	52%, 71%, 67%
CMY	0.4782, 0.2942, 0.3333
CMYK	0.26, 0.00, 0.06, 0.29
HSL	167°, 24%, 61%
HSV	167°, 26%, 71%
XYZ	33.2574, 40.5313, 44.1034
YIQ	164.8070, -24.8020, -13.0740

Conversions

Conversions Part 2

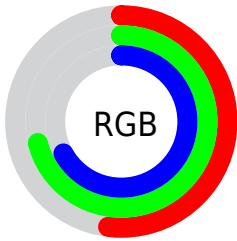
Format	Color
RYB	133, 159, 180
Decimal	8762538
CIELab	69.85, -17.69, 0.03
CIElCh	70, 17.694, 179.898
Yxy	40.5313, 0.2821, 0.3438
Android (android.graphics.Color)	4286952618 (0xFF85B4AA)
YUV	164.8070, 2.5601, -27.8947
Hunter-Lab	63.6642, -18.1662, 3.4917

Details

The Yxy color **40.5313, 0.2821, 0.3438** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **28.4790, 0.3557, 0.3148**, and the grayscale version is **37.5325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9919, 0.2879, 0.3414**, and **18.2806, 0.2730, 0.3480** is the 20% darker color. If you saturate the color by 10%, you get **39.0476, 0.2719, 0.3504**, and if you desaturate by 10%, it is **42.2736, 0.2933, 0.3377**.

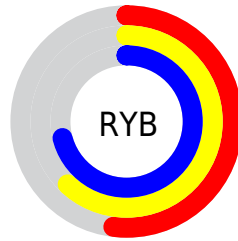
Distribution



Red (52%)

Green (71%)

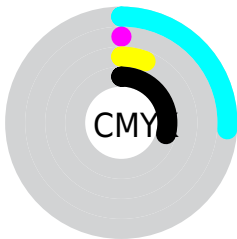
Blue (67%)



Red (52%)

Yellow (62%)

Blue (71%)

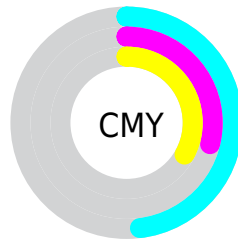


Cyan (26%)

Magenta (0%)

Yellow (6%)

Black (29%)



Cyan (48%)


Magenta (29%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5313, 0.2821, 0.3438 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 40.5313, 0.2821, 0.3438 by changing the saturation by 10% instead.

 40.5313, 0.2821,
0.3438


 40.5313, 0.2821,
0.3438

348.3579, 0.2977,
0.3363

 27.9530, 0.2781,
0.3457


 75.9719, 0.2879,
0.3410

 18.2903, 0.2729,
0.3483


 99.6030, 0.2900,
0.3400

 11.1586, 0.2658,
0.3517


 127.6872, 0.2918,
0.3391

 6.1736, 0.2557,
0.3565

160.6088, 0.2933,
0.3384

 2.9509, 0.2402,
0.3640

198.7523, 0.2947,
0.3377

 1.1062, 0.2074,
0.3798

242.5020, 0.2958,

 0.0000, 0.0000,

0.3372

0.0000

292.2424, 0.2968,
0.3367

■ 40.5313, 0.2821,
0.3438

■ 40.5313, 0.2821,
0.3438

■ 39.0476, 0.2719,
0.3504

■ 42.2736, 0.2933,
0.3377

■ 37.8047, 0.2629,
0.3574

■ 44.2814, 0.3052,
0.3321

■ 36.7904, 0.2554,
0.3647

■ 46.5677, 0.3176,
0.3271

■ 35.9891, 0.2497,
0.3723

■ 49.1428, 0.3302,
0.3225

■ 35.3836, 0.2458,
0.3800

■ 52.0168, 0.3427,
0.3185

■ 34.9539, 0.2439,
0.3877

■ 55.1991, 0.3551,
0.3150

■ 34.6737, 0.2438,
0.3954

■ 57.9214, 0.3638,
0.3116

■ 34.5827, 0.2440,
0.3984

■ 58.0989, 0.3604,
0.3077

■ 58.2810, 0.3571,
0.3038

Harmonies

Analogous

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



40.5313, 0.3054, 0.3647



40.5313, 0.2821, 0.3438



40.5313, 0.2672, 0.3192

Triad

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



40.5313, 0.2821, 0.3438



40.5313, 0.2928, 0.2870



40.5313, 0.3638, 0.3565

Complementary

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



40.5313, 0.2821, 0.3438



28.4790, 0.3557, 0.3148

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.



40.5313, 0.3604, 0.3357



40.5313, 0.2821, 0.3438



40.5313, 0.3185, 0.2967

Square

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



40.5313, 0.2821, 0.3438



40.5313, 0.2732, 0.2875



40.5313, 0.3435, 0.3142



40.5313, 0.3529, 0.3712

Rectangle

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



40.5313, 0.2821, 0.3438



40.5313, 0.2637, 0.3048



40.5313, 0.3435, 0.3142



40.5313, 0.3643, 0.3499

Sweetspot

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



40.5330, 0.2821, 0.3438



79.5086, 0.3027, 0.3332



40.1942, 0.3180, 0.4003



17.0638, 0.3009, 0.3341



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.



40.5330, 0.2821, 0.3438



71.9773, 0.2764, 0.3473



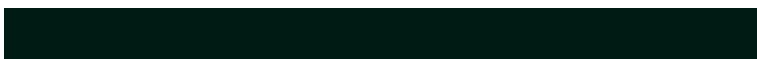
35.8122, 0.2733, 0.3090



9.6000, 0.3013, 0.3339



24.1495, 0.2438, 0.3975



0.7676, 0.2378, 0.3761

Inverse Universe

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



28.4790, 0.3557, 0.3148



46.5786, 0.3680, 0.3117



32.0660, 0.3626, 0.3482



8.5339, 0.3255, 0.3242



6.8796, 0.6008, 0.3083



0.2250, 0.5250, 0.2666

Previews

White Background



This preview shows how the Yxy color 40.5313, 0.2821, 0.3438 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 40.5313, 0.2821, 0.3438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

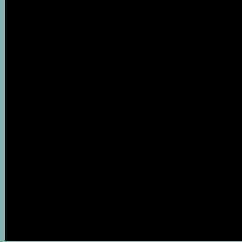
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

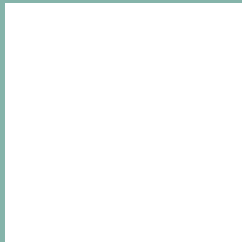
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.5313, 0.2821, 0.3438

Background



This preview shows how black text looks on a background with the Yxy color 40.5313, 0.2821, 0.3438.

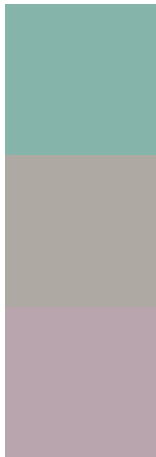


This preview shows how white text looks on a background with the Yxy color 40.5313, 0.2821, 0.3438.

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

40.5313, 0.2821, 0.3438

Protanopia

40.1702, 0.3225, 0.3359

Deuteranopia

40.2417, 0.3244, 0.3184



Tritanopia

40.5242, 0.2701, 0.3088

Trichromacy



Original Color

40.5313, 0.2821, 0.3438

Protanomaly

40.1139, 0.3069, 0.3390

Deuteranomaly

39.8350, 0.3075, 0.3262

Tritanomaly

40.4939, 0.2750, 0.3216

Monochromacy



Original Color

40.5313, 0.2821, 0.3438

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.3118, 0.3001, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5313, 0.2821, 0.3438 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, 180, 170)` looks like.

```
.text, #text, p{  
    color:rgb(133, 180, 170)  
}
```

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, 180, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 180, 170) }
```

Border

The CSS property to change the border of an element to Yxy 40.5313, 0.2821, 0.3438 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, 180, 170) }
```

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

```
.border{ border-color:rgb(133, 180, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 180, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 180, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 180, 170);  
box-shadow:4px 4px 4px 4px rgb(133, 180,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5313, 0.2821, 0.3438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 180, 170) }
```

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

```
.background{ background-color: rgb(133,  
180, 170) }
```

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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