

Converting Colors

$Y_{xy}(41.6305, 0.2740, 0.3378)$

Have a look what the booklet for
Yxy(41.6305, 0.2740, 0.3378)
contains.

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Color

Yxy(41.6305, 0.2740, 0.3378)

Conversions

Conversions Part 1

Format	Color
Hex	80B7B1
RGB	128, 183, 177
RGB Percent	50%, 72%, 69%
CMY	0.4981, 0.2823, 0.3059
CMYK	0.30, 0.00, 0.03, 0.28
HSL	173°, 28%, 61%
HSV	173°, 30%, 72%
XYZ	33.7678, 41.6305, 47.8418
YIQ	165.8710, -30.8540, -13.5260

Conversions

Conversions Part 2

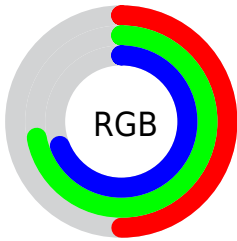
Format	Color
R _Y B	128, 157, 183
Decimal	8435633
CIE Lab	70.62, -19.22, -2.71
CIE LCh	71, 19.406, 188.029
Yxy	41.6305, 0.2740, 0.3378
Android (android.graphics.Color)	4286625713 (0xFF80B7B1)
YUV	165.8710, 5.4866, -33.2129
Hunter-Lab	64.5217, -19.4940, 1.2026

Details

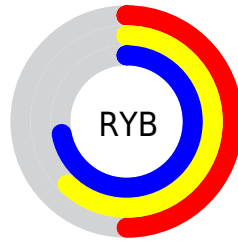
The Yxy color **41.6305, 0.2740, 0.3378** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **27.2235, 0.3715, 0.3206**, and the grayscale version is **38.0504, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5613, 0.2807, 0.3357**, and **18.9824, 0.2622, 0.3393** is the 20% darker color. If you saturate the color by 10%, you get **40.2596, 0.2632, 0.3412**, and if you desaturate by 10%, it is **43.2618, 0.2860, 0.3346**.

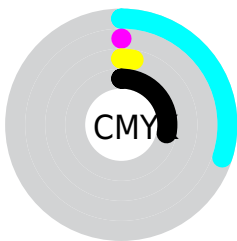
Distribution



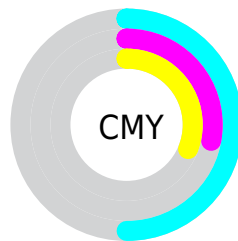
- Red (50%)
- Green (72%)
- Blue (69%)



- Red (50%)
- Yellow (62%)
- Blue (72%)



- Cyan (30%)
- Magenta (0%)
- Yellow (3%)
- Black (28%)





- Cyan (50%)
- Magenta (28%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6305, 0.2740, 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 41.6305, 0.2740, 0.3378 by changing the saturation by 10% instead.


 41.6305, 0.2740,
0.3378


 41.6305, 0.2740,
0.3378


352.9489, 0.2936,
0.3335

 28.8121, 0.2690,
0.3388


 77.6401, 0.2812,
0.3363

 18.9387, 0.2626,
0.3401


 101.6001, 0.2838,
0.3357

 11.6260, 0.2540,
0.3419


 130.0426, 0.2861,
0.3352

 6.4896, 0.2419,
0.3441

163.3523, 0.2880,
0.3348

 3.1450, 0.2236,
0.3473

201.9133, 0.2897,
0.3344

 1.2079, 0.1895,
0.3534

246.1102, 0.2912,

 0.0681, 0.0000,

0.3341

0.2053

296.3272, 0.2924,
0.3338

0.0000, 0.0000,
0.0000

41.6305, 0.2740,
0.3378

41.6305, 0.2740,
0.3378

40.2596, 0.2632,
0.3412

43.2618, 0.2860,
0.3346

39.1304, 0.2540,
0.3447

45.1613, 0.2990,
0.3317

38.2295, 0.2464,
0.3484


47.3425, 0.3126,
0.3290

37.5401, 0.2407,
0.3521


49.8167, 0.3267,
0.3266

37.0431, 0.2368,
0.3559


52.5943, 0.3409,
0.3244

 36.7162, 0.2348,
0.3596

 55.6855, 0.3551,
0.3225

 36.5140, 0.2343,
0.3633

 58.8927, 0.3681,
0.3208

 58.9815, 0.3664,
0.3187

 59.0716, 0.3647,
0.3166

Harmonies

Analogous

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



41.6305, 0.2972, 0.3627



41.6305, 0.2740, 0.3378



41.6305, 0.2612, 0.3115

Triad

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



41.6305, 0.2740, 0.3378



41.6305, 0.2982, 0.2854



41.6305, 0.3665, 0.3639

Complementary

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



41.6305, 0.2740, 0.3378



27.2235, 0.3715, 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.



41.6305, 0.3672, 0.3425



41.6305, 0.2740, 0.3378



41.6305, 0.3267, 0.2985

Square

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



41.6305, 0.2740, 0.3378



41.6305, 0.2746, 0.2827



41.6305, 0.3524, 0.3189



41.6305, 0.3509, 0.3773

Rectangle

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



41.6305, 0.2740, 0.3378



41.6305, 0.2598, 0.2972



41.6305, 0.3524, 0.3189



41.6305, 0.3685, 0.3574

Sweetspot

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



41.6322, 0.2740, 0.3378



81.2121, 0.3002, 0.3314



40.5301, 0.3139, 0.4141



17.8197, 0.2983, 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.



41.6322, 0.2740, 0.3378



72.8996, 0.2668, 0.3400



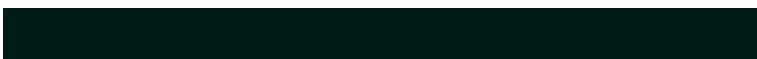
33.8179, 0.2665, 0.2969



10.1932, 0.3000, 0.3315



25.4762, 0.2341, 0.3629



0.9030, 0.2315, 0.3532

Inverse Universe

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



27.2235, 0.3715, 0.3206



42.9917, 0.3900, 0.3187



33.1453, 0.3702, 0.3589



9.0278, 0.3271, 0.3265



7.0637, 0.6250, 0.3217



0.2543, 0.5763, 0.2949

Previews

White Background



This preview shows how the Yxy color 41.6305, 0.2740, 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 41.6305, 0.2740, 0.3378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

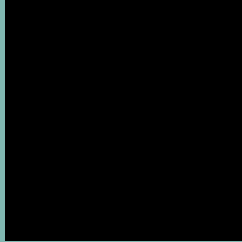
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.6305, 0.2740, 0.3378

Background



This preview shows how black text looks on a background with the Yxy color 41.6305, 0.2740, 0.3378.

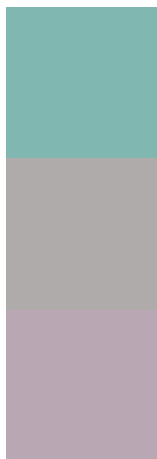


This preview shows how white text looks on a background with the Yxy color 41.6305, 0.2740, 0.3378.

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

41.6305, 0.2740, 0.3378

Protanopia

41.1421, 0.3172, 0.3304

Deuteranopia

41.2470, 0.3181, 0.3119



Tritanopia

41.4882, 0.2645, 0.3075

Trichromacy



Original Color

41.6305, 0.2740, 0.3378

Protanomaly

40.9462, 0.2996, 0.3318

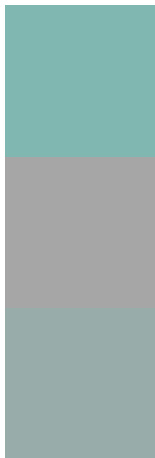
Deuteranomaly

41.0343, 0.3000, 0.3207

Tritanomaly

41.5039, 0.2685, 0.3187

Monochromacy



Original Color

41.6305, 0.2740, 0.3378

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.0827, 0.2968, 0.3319

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6305, 0.2740, 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(128, 183, 177)` looks like.

```
.text, #text, p{  
    color:rgb(128, 183, 177)  
}
```

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(128, 183, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 183, 177) }
```

Border

The CSS property to change the border of an element to Yxy 41.6305, 0.2740, 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(128, 183, 177) }
```

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

```
.border{ border-color:rgb(128, 183, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 183, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 183, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 183, 177);  
box-shadow:4px 4px 4px 4px rgb(128, 183,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6305, 0.2740, 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(128, 183, 177) }
```

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

```
.background{ background-color: rgb(128,  
183, 177) }
```

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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