

Converting Colors

$Y_{xy}(41.9080, 0.2718, 0.3375)$

Have a look what the booklet for
Yxy(41.9080, 0.2718, 0.3375)
contains.

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Color

Yxy(41.9310, 0.2721, 0.3378)

Conversions

Conversions Part 1

Format	Color
Hex	7EB8B2
RGB	126, 184, 178
RGB Percent	49%, 72%, 70%
CMY	0.5060, 0.2784, 0.3020
CMYK	0.32, 0.00, 0.03, 0.28
HSL	174°, 29%, 61%
HSV	174°, 32%, 72%
XYZ	33.7757, 41.9310, 48.4230
YIQ	165.9740, -32.6420, -14.1620

Conversions

Conversions Part 2

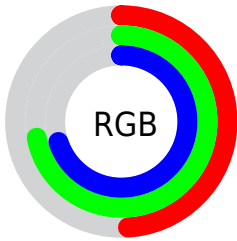
Format	Color
RYB	126, 157, 184
Decimal	8304818
CIELab	70.82, -20.08, -2.97
CIELCh	71, 20.302, 188.398
Yxy	41.9310, 0.2721, 0.3378
Android (android.graphics.Color)	4286494898 (0xFF7EB8B2)
YUV	165.9740, 5.9288, -35.0572
Hunter-Lab	64.7542, -20.2144, 0.9910

Details

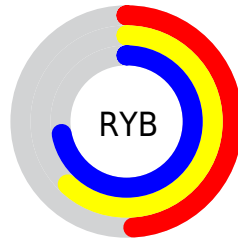
The Yxy color **41.9310, 0.2721, 0.3378** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **26.7720, 0.3759, 0.3206**, and the grayscale version is **38.1001, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9640, 0.2791, 0.3357**, and **19.1691, 0.2608, 0.3414** is the 20% darker color. If you saturate the color by 10%, you get **40.5843, 0.2615, 0.3410**, and if you desaturate by 10%, it is **43.5394, 0.2840, 0.3348**.

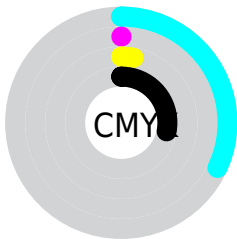
Distribution



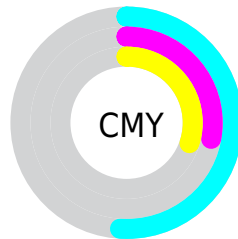
- Red (49%)
- Green (72%)
- Blue (70%)



- Red (49%)
- Yellow (62%)
- Blue (72%)



- Cyan (32%)
- Magenta (0%)
- Yellow (3%)
- Black (28%)





- Cyan (51%)
- Magenta (28%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.9310, 0.2721, 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 41.9310, 0.2721, 0.3378 by changing the saturation by 10% instead.


 41.9310, 0.2721,
0.3378

 41.9310, 0.2721,
0.3378


354.1968, 0.2926,
0.3335

 29.0473, 0.2669,
0.3388


 78.0952, 0.2796,
0.3363

 19.1166, 0.2602,
0.3401


 102.1444, 0.2824,
0.3357

 11.7545, 0.2513,
0.3418


 130.6843, 0.2848,
0.3352

 6.5768, 0.2387,
0.3440


164.0992, 0.2868,
0.3348

 3.1989, 0.2198,
0.3470

202.7735, 0.2885,
0.3344

 1.2364, 0.1849,
0.3525

247.0916, 0.2901,

 0.0911, 0.0000,

0.3341

0.2292

297.4379, 0.2914,
0.3338

0.0000, 0.0000,
0.0000

41.9310, 0.2721,
0.3378

41.9310, 0.2721,
0.3378

40.5843, 0.2615,
0.3410

43.5394, 0.2840,
0.3348

39.4801, 0.2524,
0.3444

45.4176, 0.2969,
0.3320

38.6046, 0.2451,
0.3479


47.5793, 0.3106,
0.3294


37.9405, 0.2396,
0.3514

50.0360, 0.3247,
0.3270

37.4682, 0.2360,
0.3550


52.7984, 0.3390,
0.3250

 37.1641, 0.2342,
0.3585

 55.8769, 0.3533,
0.3231

 36.9985, 0.2338,
0.3615

 59.2813, 0.3674,
0.3215

 59.4080, 0.3659,
0.3195

 59.4941, 0.3643,
0.3175

Harmonies

Analogous

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



41.9310, 0.2962, 0.3640



41.9310, 0.2721, 0.3378



41.9310, 0.2589, 0.3104

Triad

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



41.9310, 0.2721, 0.3378



41.9310, 0.2979, 0.2838



41.9310, 0.3687, 0.3656

Complementary

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



41.9310, 0.2721, 0.3378



26.7720, 0.3759, 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.



41.9310, 0.3697, 0.3433



41.9310, 0.2721, 0.3378



41.9310, 0.3277, 0.2975

Square

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



41.9310, 0.2721, 0.3378



41.9310, 0.2732, 0.2808



41.9310, 0.3544, 0.3187



41.9310, 0.3522, 0.3795

Rectangle

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



41.9310, 0.2721, 0.3378



41.9310, 0.2577, 0.2956



41.9310, 0.3544, 0.3187



41.9310, 0.3709, 0.3588

Sweetspot

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



41.9327, 0.2721, 0.3378



83.2100, 0.3001, 0.3313



40.7568, 0.3139, 0.4190



17.8215, 0.2982, 0.3317



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.



41.9327, 0.2721, 0.3378



74.2236, 0.2644, 0.3401



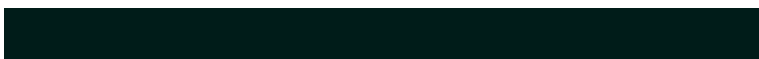
33.6517, 0.2642, 0.2951



10.1941, 0.2999, 0.3314



25.5018, 0.2336, 0.3610



0.9037, 0.2311, 0.3519

Inverse Universe

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



26.7720, 0.3759, 0.3206



42.3170, 0.3969, 0.3187



32.9462, 0.3738, 0.3605



9.0270, 0.3272, 0.3267



7.0610, 0.6260, 0.3222



0.2540, 0.5792, 0.2964

Previews

White Background



This preview shows how the Yxy color 41.9310, 0.2721, 0.3378 looks on a white background.

Color Contrast Check

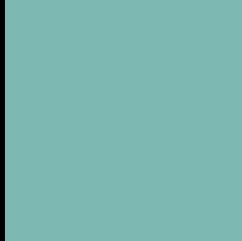
Large Text (above 18pt) WCAG AA × Fail

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 41.9310, 0.2721, 0.3378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

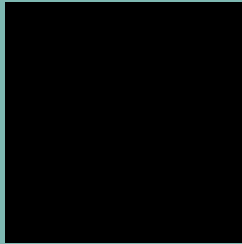
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.9310, 0.2721, 0.3378

Background



This preview shows how black text looks on a background with the Yxy color 41.9310, 0.2721, 0.3378.

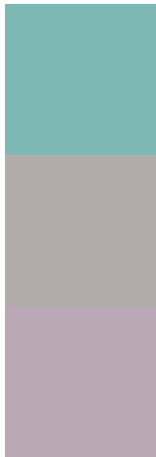


This preview shows how white text looks on a background with the Yxy color 41.9310, 0.2721, 0.3378.

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

41.9310, 0.2721, 0.3378

Protanopia

41.6754, 0.3172, 0.3304

Deuteranopia

41.6557, 0.3172, 0.3120



Tritanopia

41.7791, 0.2627, 0.3075

Trichromacy



Original Color

41.9310, 0.2721, 0.3378

Protanomaly

41.3758, 0.2988, 0.3318

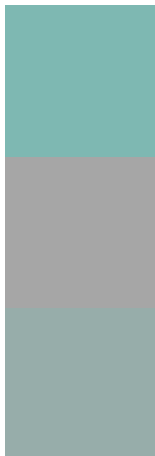
Deuteranomaly

41.4599, 0.2992, 0.3207

Tritanomaly

41.7971, 0.2667, 0.3187

Monochromacy



Original Color

41.9310, 0.2721, 0.3378

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.3687, 0.2960, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9310, 0.2721, 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(126, 184, 178)` looks like.

```
.text, #text, p{  
    color:rgb(126, 184, 178)  
}
```

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(126, 184, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 184, 178) }
```

Border

The CSS property to change the border of an element to Yxy 41.9310, 0.2721, 0.3378 is called "border". The border property can be set on classes, ids or directly on the HTML element.

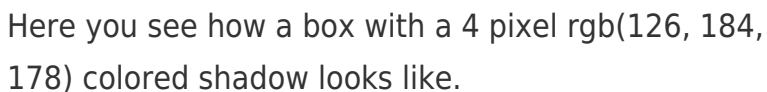
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(126, 184, 178) }
```

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

```
.border{ border-color:rgb(126, 184, 178) }
```

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



Here you see how a box with a 4 pixel `rgb(126, 184, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(126, 184, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(126, 184, 178); box-shadow:4px 4px 4px 4px rgb(126, 184, 178) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9310, 0.2721, 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(126, 184, 178) }
```

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

```
.background{ background-color: rgb(126,  
184, 178) }
```

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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