

# Converting Colors

$Y_{xy}(40.9491, 0.2693, 0.3376)$

Have a look what the booklet for  
Yxy(40.9491, 0.2693, 0.3376)  
contains.

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# Color

**Yxy(41.1062, 0.2692, 0.3379)**

# Conversions

## Conversions Part 1

Format	Color
Hex	79B7B1
RGB	121, 183, 177
RGB Percent	47%, 72%, 69%
CMY	0.5257, 0.2823, 0.3059
CMYK	0.34, 0.00, 0.03, 0.28
HSL	174°, 30%, 60%
HSV	174°, 34%, 72%
XYZ	32.7487, 41.1062, 47.7971
YIQ	163.7780, -35.0260, -15.0100

# Conversions

## Conversions Part 2

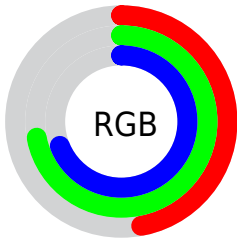
<b>Format</b>	<b>Color</b>
<b>RYB</b>	121, 154, 183
Decimal	7976881
CIELab	70.25, -21.24, -3.29
CIElCh	70, 21.495, 188.812
Yxy	41.1062, 0.2692, 0.3379
Android (android.graphics.Color)	4286166961 (0xFF79B7B1)
YUV	163.7780, 6.5184, -37.5163
Hunter-Lab	64.1141, -21.0241, 0.6792

# Details

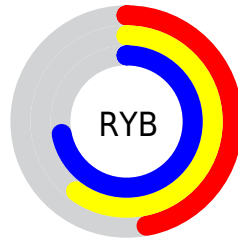
The Yxy color **41.1062, 0.2692, 0.3379** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **25.2648, 0.3831, 0.3206**, and the grayscale version is **36.9904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8463, 0.2773, 0.3357**, and **18.6749, 0.2557, 0.3395** is the 20% darker color. If you saturate the color by 10%, you get **39.8389, 0.2589, 0.3409**, and if you desaturate by 10%, it is **42.6285, 0.2809, 0.3350**.

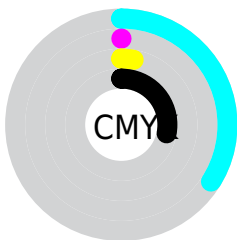
# Distribution



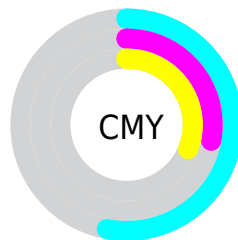
- Red (47%)
- Green (72%)
- Blue (69%)



- Red (47%)
- Yellow (60%)
- Blue (72%)



- Cyan (34%)
- Magenta (0%)
- Yellow (3%)
- Black (28%)




- Cyan (53%)
- Magenta (28%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.1062, 0.2692, 0.3379 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 41.1062, 0.2692, 0.3379 by changing the saturation by 10% instead.





 41.1062, 0.2692,  
0.3379

 41.1062, 0.2692,  
0.3379


350.7643, 0.2912,  
0.3336


 28.4021, 0.2636,  
0.3389


 76.8451, 0.2773,  
0.3364

 18.6290, 0.2564,  
0.3402


 100.6486, 0.2803,  
0.3358

 11.4025, 0.2468,  
0.3418


 128.9208, 0.2828,  
0.3353

 6.3382, 0.2332,  
0.3440

162.0459, 0.2850,  
0.3349

 3.0518, 0.2127,  
0.3468

200.4084, 0.2869,  
0.3345

 1.1588, 0.1709,  
0.3537

244.3927, 0.2885,

 0.0277, 0.0000,

0.3342

0.0962

294.3832, 0.2899,  
0.3339

0.0000, 0.0000,  
0.0000

41.1062, 0.2692,  
0.3379

41.1062, 0.2692,  
0.3379

39.8389, 0.2589,  
0.3409

42.6285, 0.2809,  
0.3350

38.8074, 0.2501,  
0.3441

44.4140, 0.2937,  
0.3324

37.9978, 0.2432,  
0.3474

46.4765, 0.3073,  
0.3299

37.3924, 0.2381,  
0.3507

48.8275, 0.3214,  
0.3277

36.9711, 0.2349,  
0.3540

51.4777, 0.3357,  
0.3257

■ 36.7097, 0.2335,  
0.3572

■ 54.4375, 0.3502,  
0.3239

■ 36.5979, 0.2331,  
0.3592

■ 57.7164, 0.3644,  
0.3223

■ 58.9025, 0.3680,  
0.3206

■ 58.9813, 0.3664,  
0.3188

# Harmonies

## Analogous

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



41.1062, 0.2946, 0.3661



41.1062, 0.2692, 0.3379



41.1062, 0.2555, 0.3086

# Triad

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



41.1062, 0.2692, 0.3379



41.1062, 0.2973, 0.2811



41.1062, 0.3723, 0.3681

# Complementary

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



41.1062, 0.2692, 0.3379



25.2648, 0.3831, 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.



41.1062, 0.3736, 0.3444



41.1062, 0.2692, 0.3379



41.1062, 0.3291, 0.2958

# Square

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



41.1062, 0.2692, 0.3379



41.1062, 0.2710, 0.2777



41.1062, 0.3575, 0.3184



41.1062, 0.3544, 0.3830



# Rectangle

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



41.1062, 0.2692, 0.3379



41.1062, 0.2543, 0.2931



41.1062, 0.3575, 0.3184



41.1062, 0.3747, 0.3609

# Sweetspot

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



41.1078, 0.2692, 0.3379



80.8559, 0.2987, 0.3314



39.7760, 0.3130, 0.4270



17.7474, 0.2968, 0.3318



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.



41.1078, 0.2692, 0.3379



71.8091, 0.2610, 0.3402



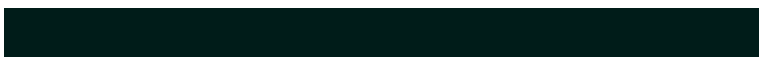
31.9999, 0.2604, 0.2905



10.1952, 0.2998, 0.3312



25.5330, 0.2330, 0.3588



0.9045, 0.2307, 0.3504



# Inverse Universe

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



25.2648, 0.3831, 0.3206



38.9440, 0.4074, 0.3187



31.9379, 0.3791, 0.3644



9.0260, 0.3273, 0.3268



7.0579, 0.6271, 0.3228

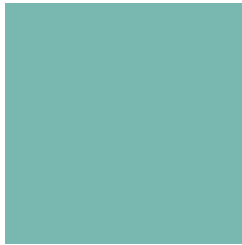


0.2535, 0.5827, 0.2984



# Previews

## White Background



This preview shows how the Yxy color 41.1062, 0.2692, 0.3379 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

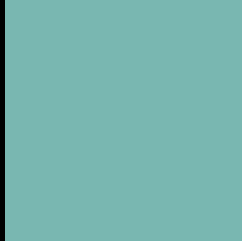
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.1062, 0.2692, 0.3379 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

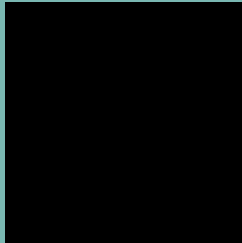
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.1062, 0.2692, 0.3379**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.1062, 0.2692, 0.3379.



This preview shows how white text looks on a background with the Yxy color 41.1062, 0.2692, 0.3379.

# 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

41.1062, 0.2692, 0.3379

### Protanopia

40.6504, 0.3164, 0.3290

### Deuteranopia

40.6759, 0.3155, 0.3092



## Tritanopia

40.9426, 0.2598, 0.3072

# Trichromacy



**Original Color**

41.1062, 0.2692, 0.3379

**Protanomaly**

40.6456, 0.2971, 0.3318

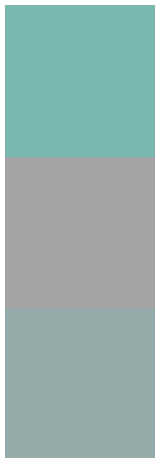
**Deuteranomaly**

40.2739, 0.2958, 0.3178

**Tritanomaly**

40.9637, 0.2638, 0.3186

# Monochromacy



**Original Color**

41.1062, 0.2692, 0.3379

**Achromatopsia**

37.1238, 0.3127, 0.3290

**Achromatomaly**

38.2863, 0.2942, 0.3319

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.1062, 0.2692, 0.3379 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(121, 183, 177)` looks like.

```
.text, #text, p{  
    color:rgb(121, 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(121, 183, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 183, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 41.1062, 0.2692, 0.3379 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(121, 183, 177) }
```

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

```
.border{ border-color:rgb(121, 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(121, 183, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 183, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 183, 177);  
box-shadow:4px 4px 4px 4px rgb(121, 183,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.1062, 0.2692, 0.3379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 183, 177) }
```

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

```
.background{ background-color: rgb(121,  
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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