

Converting Colors

$Y_{xy}(41.8768, 0.2531, 0.3689)$

Have a look what the booklet for
Yxy(41.8768, 0.2531, 0.3689)
contains.

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Color

Yxy(42.0671, 0.2531, 0.3687)

Conversions

Conversions Part 1

Format	Color
Hex	4DC0A7
RGB	77, 192, 167
RGB Percent	30%, 75%, 65%
CMY	0.6985, 0.2470, 0.3451
CMYK	0.60, 0.00, 0.13, 0.25
HSL	167°, 48%, 53%
HSV	167°, 60%, 75%
XYZ	28.8776, 42.0671, 43.1510
YIQ	154.7650, -60.5150, -32.1550

Conversions

Conversions Part 2

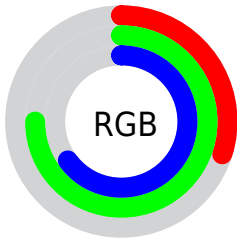
Format	Color
RYB	77, 142, 192
Decimal	5095591
CIELab	70.92, -38.51, 2.95
CIELCh	71, 38.623, 175.618
Yxy	42.0671, 0.2531, 0.3687
Android (android.graphics.Color)	4283285671 (0xFF4DC0A7)
YUV	154.7650, 6.0319, -68.1999
Hunter-Lab	64.8592, -34.0289, 5.9556

Details

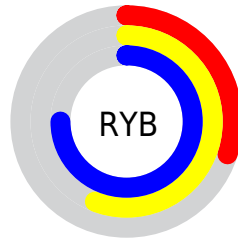
The Yxy color **42.0671, 0.2531, 0.3687** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **17.4587, 0.4559, 0.2972**, and the grayscale version is **32.6501, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2595, 0.2641, 0.3612**, and **19.4148, 0.2392, 0.3813** is the 20% darker color. If you saturate the color by 10%, you get **41.2338, 0.2482, 0.3766**, and if you desaturate by 10%, it is **43.1442, 0.2599, 0.3610**.

Distribution



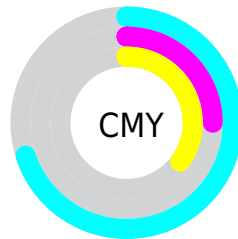
- Red (30%)
- Green (75%)
- Blue (65%)



- Red (30%)
- Yellow (56%)
- Blue (75%)



- Cyan (60%)
- Magenta (0%)
- Yellow (13%)
- Black (25%)



- Cyan (70%)
- Magenta (25%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0671, 0.2531, 0.3687 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 42.0671, 0.2531, 0.3687 by changing the saturation by 10% instead.


 42.0671, 0.2531,
0.3687


 42.0671, 0.2531,
0.3687


354.7610, 0.2834,
0.3483

 29.1538, 0.2454,
0.3740


 78.3012, 0.2642,
0.3612


 19.1972, 0.2355,
0.3808


 102.3908, 0.2683,
0.3584

 11.8129, 0.2222,
0.3902


 130.9746, 0.2718,
0.3560

 6.6164, 0.2035,
0.4035

 164.4370, 0.2748,
0.3540

 3.2234, 0.1755,
0.4240

203.1625, 0.2774,
0.3523

 1.2494, 0.0810,
0.4852

247.5354, 0.2796,

 0.1015, 0.0000,

0.3508

1.0000

297.9401, 0.2816,
0.3495

0.0000, 0.0000,
0.0000

42.0671, 0.2531,
0.3687

42.0671, 0.2531,
0.3687

41.2338, 0.2482,
0.3766

43.1442, 0.2599,
0.3610

40.6180, 0.2452,
0.3845

44.4791, 0.2683,
0.3537

40.1959, 0.2441,
0.3925

46.0905, 0.2780,
0.3468

39.9179, 0.2446,
0.4004

47.9938, 0.2889,
0.3403

39.9167, 0.2446,
0.4004

50.2034, 0.3006,
0.3344

■ 52.7327, 0.3128,
0.3290

■ 55.5944, 0.3253,
0.3241

■ 58.8003, 0.3378,
0.3198

■ 62.3618, 0.3503,
0.3160

Harmonies

Analogous

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



42.0671, 0.3024, 0.4154



42.0671, 0.2531, 0.3687



42.0671, 0.2214, 0.3121

Triad

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



42.0671, 0.2531, 0.3687



42.0671, 0.2629, 0.2426



42.0671, 0.4238, 0.3763

Complementary

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



42.0671, 0.2531, 0.3687



17.4587, 0.4559, 0.2972

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.



42.0671, 0.4130, 0.3328



42.0671, 0.2531, 0.3687



42.0671, 0.3153, 0.2597

Square

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



42.0671, 0.2531, 0.3687



42.0671, 0.2269, 0.2445



42.0671, 0.3717, 0.2916



42.0671, 0.4022, 0.4133

Rectangle

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



42.0671, 0.2531, 0.3687



42.0671, 0.2128, 0.2803



42.0671, 0.3717, 0.2916



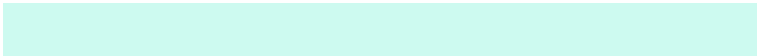
42.0671, 0.4240, 0.3620

Sweetspot

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



42.0687, 0.2531, 0.3687



87.5751, 0.2908, 0.3393



41.1685, 0.3209, 0.5106



18.5527, 0.2875, 0.3411



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.0687, 0.2531, 0.3687



74.3026, 0.2470, 0.3791



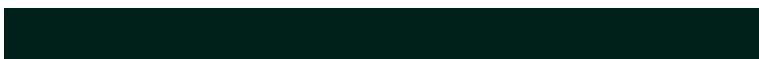
30.9799, 0.2288, 0.2794



11.3898, 0.3013, 0.3341



26.8669, 0.2443, 0.3994



1.1704, 0.2394, 0.3818

Inverse Universe

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



17.4587, 0.4559, 0.2972



25.7883, 0.5081, 0.2955



22.3818, 0.4686, 0.3693



10.1129, 0.3256, 0.3240



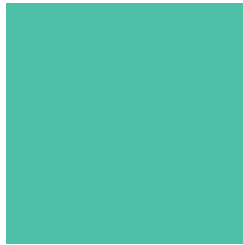
7.6616, 0.6004, 0.3081



0.3416, 0.5369, 0.2732

Previews

White Background



This preview shows how the Yxy color 42.0671, 0.2531, 0.3687 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 42.0671, 0.2531, 0.3687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

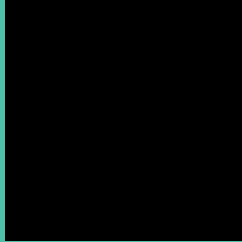
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

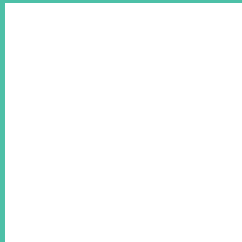
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.0671, 0.2531, 0.3687

Background



This preview shows how black text looks on a background with the Yxy color 42.0671, 0.2531, 0.3687.

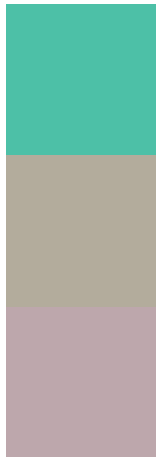


This preview shows how white text looks on a background with the Yxy color 42.0671, 0.2531, 0.3687.

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

42.0671, 0.2531, 0.3687

Protanopia

41.4891, 0.3328, 0.3509

Deuteranopia

41.4348, 0.3288, 0.3225



Tritanopia

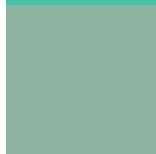
41.9786, 0.2385, 0.3067

Trichromacy



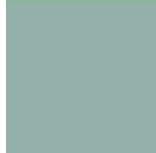
Original Color

42.0671, 0.2531, 0.3687



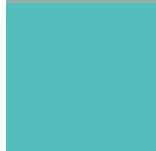
Protanomaly

40.5290, 0.2963, 0.3572



Deuteranomaly

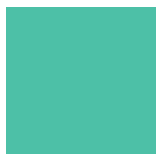
40.2488, 0.2936, 0.3377



Tritanomaly

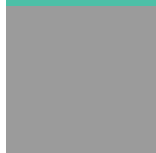
42.0006, 0.2437, 0.3288

Monochromacy



Original Color

42.0671, 0.2531, 0.3687



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

35.0205, 0.2843, 0.3431

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0671, 0.2531, 0.3687 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(77, 192, 167)` looks like.

```
.text, #text, p{  
    color:rgb(77, 192, 167)  
}
```

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(77, 192, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 192, 167) }
```

Border

The CSS property to change the border of an element to Yxy 42.0671, 0.2531, 0.3687 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(77, 192, 167) }
```

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

```
.border{ border-color:rgb(77, 192, 167) }
```

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

Here you see how a box with a 4 pixel rgb(77, 192, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 192, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 192, 167);  
box-shadow:4px 4px 4px 4px rgb(77, 192,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0671, 0.2531, 0.3687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 192, 167) }
```

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

```
.background{ background-color: rgb(77, 192,  
167) }
```

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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