

Converting Colors

$Y_{xy}(41.5934, 0.2607, 0.3914)$

Have a look what the booklet for
Yxy(41.5934, 0.2607, 0.3914)
contains.

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Color

Yxy(41.6101, 0.2605, 0.3907)

Conversions

Conversions Part 1

Format	Color
Hex	4DC09A
RGB	77, 192, 154
RGB Percent	30%, 75%, 60%
CMY	0.6980, 0.2470, 0.3960
CMYK	0.60, 0.00, 0.20, 0.25
HSL	160°, 48%, 53%
HSV	160°, 60%, 75%
XYZ	27.7436, 41.6101, 37.1477
YIQ	153.2830, -56.3420, -36.1980

Conversions

Conversions Part 2

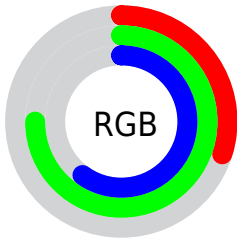
Format	Color
RYB	77, 146, 192
Decimal	5095578
CIELab	70.60, -41.61, 9.56
CIELCh	71, 42.692, 167.057
Yxy	41.6101, 0.2605, 0.3907
Android (android.graphics.Color)	4283285658 (0xFF4DC09A)
YUV	153.2830, 0.3535, -66.9002
Hunter-Lab	64.5059, -36.1135, 11.0102

Details

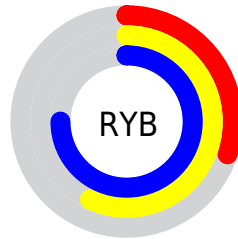
The Yxy color **41.6101, 0.2605, 0.3907** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **17.7518, 0.4333, 0.2799**, and the grayscale version is **32.0027, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5397, 0.2707, 0.3788**, and **19.1562, 0.2475, 0.4110** is the 20% darker color. If you saturate the color by 10%, you get **40.7217, 0.2565, 0.4032**, and if you desaturate by 10%, it is **42.7486, 0.2663, 0.3786**.

Distribution



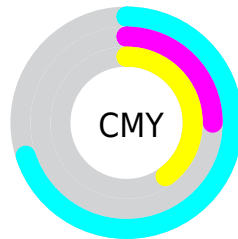
- Red (30%)
- Green (75%)
- Blue (60%)



- Red (30%)
- Yellow (57%)
- Blue (75%)



- Cyan (60%)
- Magenta (0%)
- Yellow (20%)
- Black (25%)





- Cyan (70%)
- Magenta (25%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6101, 0.2605, 0.3907 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 41.6101, 0.2605, 0.3907 by changing the saturation by 10% instead.


 41.6101, 0.2605,
0.3907


 41.6101, 0.2605,
0.3907


352.8641, 0.2876,
0.3581


 28.7961, 0.2534,
0.3994


 77.6092, 0.2706,
0.3784


 18.9266, 0.2442,
0.4110


 101.5631, 0.2743,
0.3739

 11.6173, 0.2316,
0.4271


 129.9991, 0.2774,
0.3702

 6.4836, 0.2136,
0.4508

 163.3015, 0.2800,
0.3671

 3.1413, 0.1856,
0.4891

201.8549, 0.2823,
0.3643

 1.2060, 0.0521,
0.6297

246.0435, 0.2843,

 0.0666, 0.0000,

0.3620

1.0000

296.2518, 0.2860,
0.3599

■ 0.0000, 0.0000,
0.0000

■ 41.6101, 0.2605,
0.3907

■ 41.6101, 0.2605,
0.3907

■ 40.7217, 0.2565,
0.4032

■ 42.7486, 0.2663,
0.3786

■ 40.0569, 0.2544,
0.4158

■ 44.1513, 0.2737,
0.3671

■ 39.5919, 0.2543,
0.4284

■ 45.8369, 0.2823,
0.3563

■ 39.2773, 0.2558,
0.4408

■ 47.8210, 0.2919,
0.3463

■ 39.2743, 0.2558,
0.4410

■ 50.1181, 0.3022,
0.3372

■ 52.7418, 0.3128,
0.3289

■ 55.7046, 0.3236,
0.3215

■ 59.0187, 0.3344,
0.3150

■ 62.6954, 0.3451,
0.3092

Harmonies

Analogous

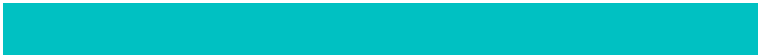
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.6101, 0.3180, 0.4349



41.6101, 0.2605, 0.3907



41.6101, 0.2196, 0.3270

Triad

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



41.6101, 0.2605, 0.3907



41.6101, 0.2442, 0.2327



41.6101, 0.4363, 0.3665

Complementary

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



41.6101, 0.2605, 0.3907



17.7518, 0.4333, 0.2799

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.



41.6101, 0.4139, 0.3190



41.6101, 0.2605, 0.3907



41.6101, 0.2975, 0.2459

Square

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



41.6101, 0.2605, 0.3907



41.6101, 0.2116, 0.2406



41.6101, 0.3608, 0.2765



41.6101, 0.4213, 0.4108

Rectangle

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



41.6101, 0.2605, 0.3907



41.6101, 0.2057, 0.2884



41.6101, 0.3608, 0.2765



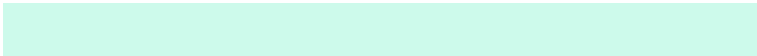
41.6101, 0.4330, 0.3506

Sweetspot

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



41.6118, 0.2605, 0.3907



87.2772, 0.2935, 0.3448



41.9037, 0.3294, 0.5056



18.4793, 0.2906, 0.3476



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.



41.6118, 0.2605, 0.3907



73.3484, 0.2556, 0.4073



35.2076, 0.2331, 0.2986



11.3700, 0.3027, 0.3367



26.4415, 0.2554, 0.4394



1.1548, 0.2477, 0.4117

Inverse Universe

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



17.7518, 0.4333, 0.2799



26.2780, 0.4775, 0.2754



20.1386, 0.4795, 0.3540



10.1315, 0.3238, 0.3214



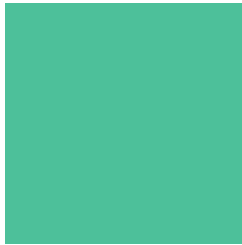
7.7984, 0.5626, 0.2873



0.3499, 0.4986, 0.2520

Previews

White Background



This preview shows how the Yxy color 41.6101, 0.2605, 0.3907 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 41.6101, 0.2605, 0.3907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

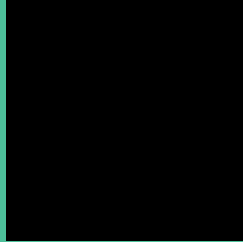
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

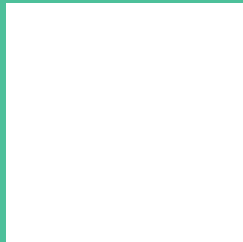
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.6101, 0.2605, 0.3907

Background



This preview shows how black text looks on a background with the Yxy color 41.6101, 0.2605, 0.3907.



This preview shows how white text looks on a background with the Yxy color 41.6101, 0.2605, 0.3907.

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

41.6101, 0.2605, 0.3907

Protanopia

40.9327, 0.3464, 0.3676

Deuteranopia

41.0170, 0.3428, 0.3370



Tritanopia

41.6620, 0.2401, 0.3067

Trichromacy



Original Color

41.6101, 0.2605, 0.3907



Protanomaly

40.1864, 0.3071, 0.3772



Deuteranomaly

39.6126, 0.3046, 0.3540



Tritanomaly

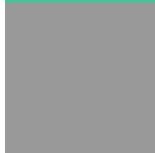
41.4534, 0.2470, 0.3350

Monochromacy



Original Color

41.6101, 0.2605, 0.3907



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

34.2973, 0.2871, 0.3514

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6101, 0.2605, 0.3907 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, 154)` looks like.

```
.text, #text, p{  
    color:rgb(77, 192, 154)  
}
```

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, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 192, 154) }
```

Border

The CSS property to change the border of an element to Yxy 41.6101, 0.2605, 0.3907 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, 154) }
```

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

```
.border{ border-color:rgb(77, 192, 154) }
```

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, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 192, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 192, 154);  
box-shadow:4px 4px 4px 4px rgb(77, 192,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6101, 0.2605, 0.3907 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, 154) }
```

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

```
.background{ background-color: rgb(77, 192,  
154) }
```

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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