

Converting Colors

$Y_{xy}(42.4921, 0.2603, 0.3895)$

Have a look what the booklet for
Yxy(42.4921, 0.2603, 0.3895)
contains.

Yxy(42.6036, 0.2604, 0.3901)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$\text{Yxy}(42.6036, 0.2604, 0.3901)$

Conversions

Conversions Part 1

Format	Color
Hex	4EC29C
RGB	78, 194, 156
RGB Percent	31%, 76%, 61%
CMY	0.6938, 0.2392, 0.3883
CMYK	0.60, 0.00, 0.20, 0.24
HSL	160°, 49%, 53%
HSV	160°, 60%, 76%
XYZ	28.4388, 42.6036, 38.1696
YIQ	154.9840, -56.9380, -36.4100

Conversions

Conversions Part 2

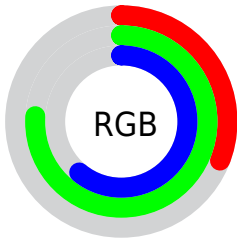
Format	Color
RYB	78, 147, 194
Decimal	5161628
CIELab	71.29, -41.81, 9.47
CIELCh	71, 42.867, 167.236
Yxy	42.6036, 0.2604, 0.3901
Android (android.graphics.Color)	4283351708 (0xFF4EC29C)
YUV	154.9840, 0.5009, -67.5150
Hunter-Lab	65.2714, -36.4524, 11.0182

Details

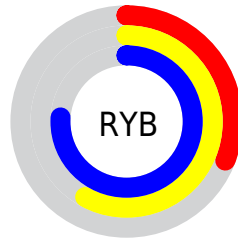
The Yxy color **42.6036, 0.2604, 0.3901** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **18.1943, 0.4334, 0.2803**, and the grayscale version is **32.7984, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9659, 0.2705, 0.3785**, and **19.7761, 0.2472, 0.4098** is the 20% darker color. If you saturate the color by 10%, you get **41.6922, 0.2563, 0.4025**, and if you desaturate by 10%, it is **43.7714, 0.2663, 0.3781**.

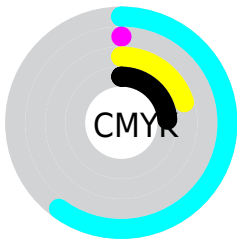
Distribution



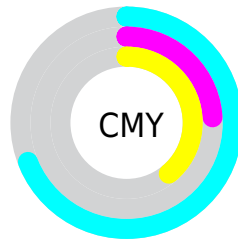
- Red (31%)
- Green (76%)
- Blue (61%)



- Red (31%)
- Yellow (58%)
- Blue (76%)



- Cyan (60%)
- Magenta (0%)
- Yellow (20%)
- Black (24%)




- Cyan (69%)
- Magenta (24%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6036, 0.2604, 0.3901 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 42.6036, 0.2604, 0.3901 by changing the saturation by 10% instead.


 42.6036, 0.2604,
0.3901


 42.6036, 0.2604,
0.3901


356.9790, 0.2874,
0.3580


 29.5742, 0.2534,
0.3987


 79.1123, 0.2704,
0.3780


 19.5156, 0.2443,
0.4100


 103.3605, 0.2741,
0.3736

 12.0435, 0.2319,
0.4256


 132.1170, 0.2772,
0.3699

 6.7733, 0.2141,
0.4486

 165.7663, 0.2798,
0.3668

 3.3207, 0.1869,
0.4855

204.6927, 0.2821,
0.3641

 1.3014, 0.0770,
0.6007

249.2807, 0.2841,

 0.1423, 0.0000,

0.3618

1.0000

299.9147, 0.2858,
0.3598

0.0000, 0.0000,
0.0000

42.6036, 0.2604,
0.3901

42.6036, 0.2604,
0.3901

41.6922, 0.2563,
0.4025

43.7714, 0.2663,
0.3781

41.0100, 0.2542,
0.4150

45.2100, 0.2737,
0.3667

40.5327, 0.2541,
0.4276

46.9386, 0.2824,
0.3560

40.2112, 0.2556,
0.4399

48.9731, 0.2920,
0.3460

40.2036, 0.2556,
0.4402

51.3285, 0.3023,
0.3370

■ 54.0185, 0.3130,
0.3288

■ 57.0561, 0.3239,
0.3215

■ 60.4537, 0.3347,
0.3150

■ 64.2229, 0.3454,
0.3092

Harmonies

Analogous

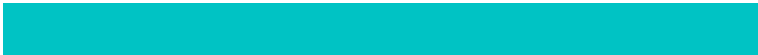
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.6036, 0.3176, 0.4343



42.6036, 0.2604, 0.3901



42.6036, 0.2198, 0.3267

Triad

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



42.6036, 0.2604, 0.3901



42.6036, 0.2447, 0.2330



42.6036, 0.4358, 0.3667

Complementary

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



42.6036, 0.2604, 0.3901



18.1943, 0.4334, 0.2803

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.



42.6036, 0.4138, 0.3193



42.6036, 0.2604, 0.3901



42.6036, 0.2979, 0.2463

Square

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



42.6036, 0.2604, 0.3901



42.6036, 0.2121, 0.2408



42.6036, 0.3610, 0.2769



42.6036, 0.4207, 0.4108

Rectangle

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



42.6036, 0.2604, 0.3901



42.6036, 0.2060, 0.2883



42.6036, 0.3610, 0.2769



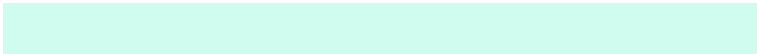
42.6036, 0.4326, 0.3508

Sweetspot

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



42.6053, 0.2604, 0.3901



89.3169, 0.2935, 0.3447



42.8963, 0.3294, 0.5053



19.3015, 0.2905, 0.3475



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



42.6053, 0.2604, 0.3901



75.0746, 0.2554, 0.4067



36.0537, 0.2332, 0.2987



11.3705, 0.3027, 0.3367



26.4495, 0.2552, 0.4386



1.1551, 0.2475, 0.4110

Inverse Universe

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



18.1943, 0.4334, 0.2803



26.8659, 0.4783, 0.2758



20.6457, 0.4790, 0.3540



10.1312, 0.3239, 0.3215



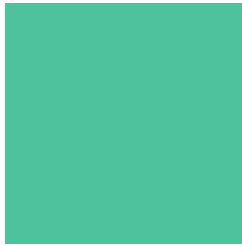
7.7949, 0.5634, 0.2878



0.3497, 0.4994, 0.2525

Previews

White Background



This preview shows how the Yxy color 42.6036, 0.2604, 0.3901 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 42.6036, 0.2604, 0.3901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

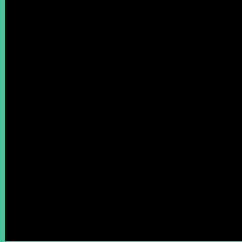
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.6036, 0.2604, 0.3901

Background



This preview shows how black text looks on a background with the Yxy color 42.6036, 0.2604, 0.3901.

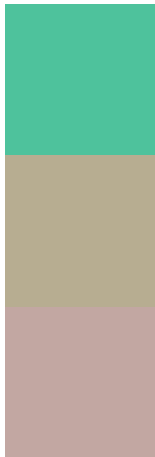


This preview shows how white text looks on a background with the Yxy color 42.6036, 0.2604, 0.3901.

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

42.6036, 0.2604, 0.3901

Protanopia

41.9988, 0.3460, 0.3672

Deuteranopia

41.7154, 0.3426, 0.3356



Tritanopia

42.7111, 0.2406, 0.3069

Trichromacy



Original Color

42.6036, 0.2604, 0.3901



Protanomaly

41.2374, 0.3071, 0.3767



Deuteranomaly

40.6577, 0.3047, 0.3537



Tritanomaly

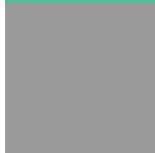
42.4959, 0.2474, 0.3349

Monochromacy



Original Color

42.6036, 0.2604, 0.3901



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

35.2545, 0.2874, 0.3511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6036, 0.2604, 0.3901 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(78, 194, 156)` looks like.

```
.text, #text, p{  
    color:rgb(78, 194, 156)  
}
```

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(78, 194, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 194, 156) }
```

Border

The CSS property to change the border of an element to Yxy 42.6036, 0.2604, 0.3901 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(78, 194, 156) }
```

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

```
.border{ border-color:rgb(78, 194, 156) }
```

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

Here you see how a box with a 4 pixel rgb(78, 194, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 194, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 194, 156);  
box-shadow:4px 4px 4px 4px rgb(78, 194,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6036, 0.2604, 0.3901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 194, 156) }
```

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

```
.background{ background-color: rgb(78, 194,  
156) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor