

Converting Colors

$Y_{xy}(42.0993, 0.2879, 0.4215)$

Have a look what the booklet for
Yxy(42.0993, 0.2879, 0.4215)
contains.

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Color

Yxy(41.9861, 0.2879, 0.4203)

Conversions

Conversions Part 1

Format	Color
Hex	69BF86
RGB	105, 191, 134
RGB Percent	41%, 75%, 53%
CMY	0.5883, 0.2510, 0.4744
CMYK	0.45, 0.00, 0.30, 0.25
HSL	140°, 40%, 58%
HSV	140°, 45%, 75%
XYZ	28.7599, 41.9861, 29.1495
YIQ	158.7880, -32.9590, -35.9590

Conversions

Conversions Part 2

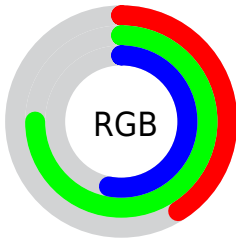
Format	Color
RYB	105, 169, 191
Decimal	6930310
CIELab	70.86, -38.73, 20.86
CIElCh	71, 43.988, 151.690
Yxy	41.9861, 0.2879, 0.4203
Android (android.graphics.Color)	4285120390 (0xFF69BF86)
YUV	158.7880, -12.2205, -47.1721
Hunter-Lab	64.7967, -34.1672, 18.6854

Details

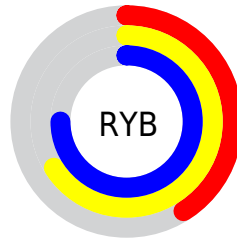
The Yxy color **41.9861, 0.2879, 0.4203** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **23.7864, 0.3522, 0.2534**, and the grayscale version is **34.6379, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1962, 0.2935, 0.4024**, and **19.1844, 0.2782, 0.4518** is the 20% darker color. If you saturate the color by 10%, you get **40.6260, 0.2842, 0.4453**, and if you desaturate by 10%, it is **43.6516, 0.2926, 0.3967**.

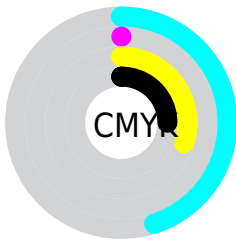
Distribution



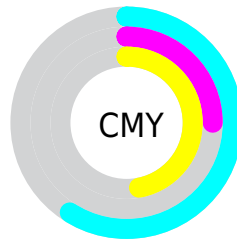
- Red (41%)
- Green (75%)
- Blue (53%)



- Red (41%)
- Yellow (66%)
- Blue (75%)



- Cyan (45%)
- Magenta (0%)
- Yellow (30%)
- Black (25%)





- Cyan (59%)
- Magenta (25%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.9861, 0.2879, 0.4203 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 41.9861, 0.2879, 0.4203 by changing the saturation by 10% instead.

 41.9861, 0.2879,
0.4203


 41.9861, 0.2879,
0.4203

354.4253, 0.3018,
0.3713


 29.0904, 0.2839,
0.4337


 78.1786, 0.2933,
0.4017


 19.1492, 0.2784,
0.4515

 102.2442, 0.2953,
0.3949

 11.7782, 0.2704,
0.4765


 130.8018, 0.2969,
0.3893

 6.5928, 0.2579,
0.5138

 164.2360, 0.2982,
0.3846

 3.2088, 0.2361,
0.5743

202.9310, 0.2993,
0.3806

 1.2417, 0.1372,
0.8628

247.2713, 0.3003,

 0.0954, 0.0000,

0.3771

1.0000

297.6413, 0.3011,
0.3740

■ 0.0000, 0.0000,
0.0000

■ 41.9861, 0.2879,
0.4203

■ 41.9861, 0.2879,
0.4203

■ 40.6260, 0.2842,
0.4453

■ 43.6516, 0.2926,
0.3967

■ 39.5471, 0.2819,
0.4708

■ 45.6348, 0.2980,
0.3748

■ 38.7297, 0.2811,
0.4960


■ 47.9533, 0.3037,
0.3549

■ 38.1493, 0.2821,
0.5198

■ 50.6222, 0.3097,
0.3372

■ 37.7761, 0.2847,
0.5411


■ 53.6554, 0.3157,
0.3214

 37.6386, 0.2863,
0.5506

 57.0662, 0.3215,
0.3076

 60.8672, 0.3272,
0.2955

 64.5360, 0.3304,
0.2846

 65.2948, 0.3208,
0.2728

Harmonies

Analogous

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



41.9861, 0.3498, 0.4455



41.9861, 0.2879, 0.4203



41.9861, 0.2358, 0.3609

Triad

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



41.9861, 0.2879, 0.4203



41.9861, 0.2224, 0.2316



41.9861, 0.4327, 0.3420

Complementary

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



41.9861, 0.2879, 0.4203



23.7864, 0.3522, 0.2534

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.



41.9861, 0.3916, 0.2952



41.9861, 0.2879, 0.4203



41.9861, 0.2668, 0.2345

Square

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



41.9861, 0.2879, 0.4203



41.9861, 0.2015, 0.2518



41.9861, 0.3285, 0.2573



41.9861, 0.4365, 0.3903

Rectangle

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



41.9861, 0.2879, 0.4203



41.9861, 0.2130, 0.3169



41.9861, 0.3285, 0.2573



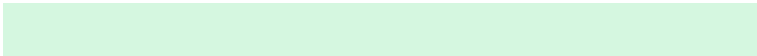
41.9861, 0.4227, 0.3259

Sweetspot

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



41.9878, 0.2879, 0.4203



86.2442, 0.3042, 0.3534



45.9993, 0.3527, 0.4488



18.7252, 0.3029, 0.3575



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.



41.9878, 0.2879, 0.4203



72.7968, 0.2843, 0.4448



43.4271, 0.2612, 0.3505



10.7013, 0.3071, 0.3446



24.7482, 0.2856, 0.5481



0.9818, 0.2714, 0.4969

Inverse Universe

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



23.7864, 0.3522, 0.2534



36.1003, 0.3644, 0.2385



22.5184, 0.4109, 0.3096



9.6400, 0.3188, 0.3139



8.2939, 0.4274, 0.2128



0.3366, 0.3959, 0.1955

Previews

White Background



This preview shows how the Yxy color 41.9861, 0.2879, 0.4203 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 41.9861, 0.2879, 0.4203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

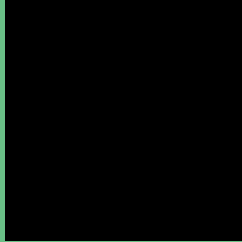
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.9861, 0.2879, 0.4203

Background



This preview shows how black text looks on a background with the Yxy color 41.9861, 0.2879, 0.4203.

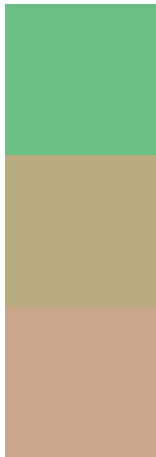


This preview shows how white text looks on a background with the Yxy color 41.9861, 0.2879, 0.4203.

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

41.9861, 0.2879, 0.4203

Protanopia

41.3257, 0.3650, 0.3916

Deuteranopia

41.4452, 0.3694, 0.3628



Tritanopia

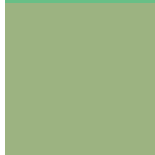
41.9373, 0.2555, 0.3072

Trichromacy



Original Color

41.9861, 0.2879, 0.4203



Protanomaly

40.8931, 0.3327, 0.4026



Deuteranomaly

40.4943, 0.3345, 0.3823



Tritanomaly

41.8578, 0.2672, 0.3455

Monochromacy



Original Color

41.9861, 0.2879, 0.4203



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

36.8168, 0.3015, 0.3614

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9861, 0.2879, 0.4203 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(105, 191, 134)` looks like.

```
.text, #text, p{  
    color:rgb(105, 191, 134)  
}
```

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(105, 191, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 191, 134) }
```

Border

The CSS property to change the border of an element to Yxy 41.9861, 0.2879, 0.4203 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(105, 191, 134) }
```

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

```
.border{ border-color:rgb(105, 191, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 191, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 191, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 191, 134);  
box-shadow:4px 4px 4px 4px rgb(105, 191,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9861, 0.2879, 0.4203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 191, 134) }
```

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

```
.background{ background-color: rgb(105,  
191, 134) }
```

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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