

Converting Colors

$Y_{xy}(21.9861, 0.2905, 0.3441)$

Have a look what the booklet for
Yxy(21.9861, 0.2905, 0.3441)
contains.

Yxy(21.9861, 0.2905, 0.3441)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.9861, 0.2905, 0.3441)

Conversions

Conversions Part 1

Format	Color
Hex	6B877F
RGB	107, 135, 127
RGB Percent	42%, 53%, 50%
CMY	0.5803, 0.4706, 0.5019
CMYK	0.21, 0.00, 0.06, 0.47
HSL	163°, 12%, 47%
HSV	163°, 21%, 53%
XYZ	18.5614, 21.9861, 23.3471
YIQ	125.7160, -14.1200, -8.4240

Conversions

Conversions Part 2

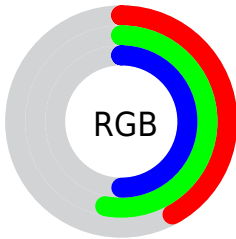
Format	Color
RYB	107, 123, 135
Decimal	7047039
CIELab	54.01, -11.69, 1.00
CIElCh	54, 11.734, 175.094
Yxy	21.9861, 0.2905, 0.3441
Android (android.graphics.Color)	4285237119 (0xFF6B877F)
YUV	125.7160, 0.6330, -16.4139
Hunter-Lab	46.8893, -11.3963, 3.3010

Details

The Yxy color **21.9861, 0.2905, 0.3441** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.9108, 0.3412, 0.3144**, and the grayscale version is **20.7665, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6327, 0.2953, 0.3399**, and **7.9769, 0.2817, 0.3497** is the 20% darker color. If you saturate the color by 10%, you get **21.1156, 0.2807, 0.3524**, and if you desaturate by 10%, it is **22.9929, 0.3010, 0.3364**.

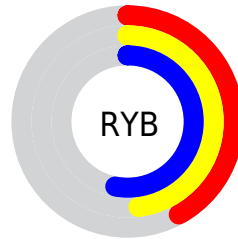
Distribution



Red (42%)

Green (53%)

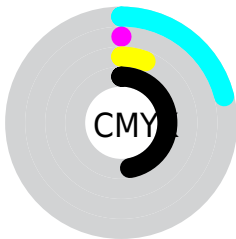
Blue (50%)



Red (42%)

Yellow (48%)

Blue (53%)

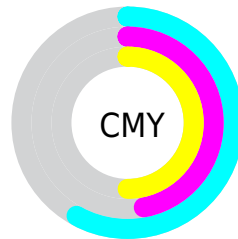


Cyan (21%)

Magenta (0%)

Yellow (6%)

Black (47%)



Cyan (58%)

Magenta (47%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.9861, 0.2905, 0.3441 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 21.9861, 0.2905, 0.3441 by changing the saturation by 10% instead.

■ 21.9861, 0.2905,
0.3441

■ 21.9861, 0.2905,
0.3441

262.4737, 0.3030,
0.3356

■ 13.8467, 0.2868,
0.3466

■ 46.7230, 0.2954,
0.3407

■ 8.0141, 0.2816,
0.3502

■ 64.0893, 0.2972,
0.3395

■ 4.1040, 0.2738,
0.3556

■ 85.3000, 0.2986,
0.3386

■ 1.7319, 0.2609,
0.3647

■ 110.7396, 0.2998,
0.3378

■ 0.4442, 0.1376,
0.4467

140.7923, 0.3008,
0.3371

■ 0.0000, 0.0000,
0.0000

175.8426, 0.3016,

0.3365

216.2750, 0.3024,
0.3360

■ 21.9861, 0.2905,
0.3441

■ 21.9861, 0.2905,
0.3441

■ 21.1156, 0.2807,
0.3524

■ 22.9929, 0.3010,
0.3364

■ 20.3727, 0.2718,
0.3614

■ 24.1390, 0.3119,
0.3295

■ 19.7516, 0.2642,
0.3710

■ 25.4306, 0.3231,
0.3232

■ 19.2452, 0.2580,
0.3810

■ 26.8728, 0.3343,
0.3176

■ 18.8456, 0.2536,
0.3913

■ 28.4705, 0.3453,
0.3126

■ 18.5437, 0.2509,
0.4017

■ 30.2283, 0.3562,
0.3083

■ 18.3293, 0.2502,
0.4122

■ 32.1506, 0.3667,
0.3044

■ 18.1794, 0.2505,
0.4219

■ 34.2415, 0.3768,
0.3011

■ 36.5053, 0.3865,
0.2982

Harmonies

Analogous

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



21.9861, 0.3103, 0.3598



21.9861, 0.2905, 0.3441



21.9861, 0.2769, 0.3244

Triad

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



21.9861, 0.2905, 0.3441



21.9861, 0.2935, 0.2941



21.9861, 0.3545, 0.3492

Complementary

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



21.9861, 0.2905, 0.3441



16.9108, 0.3412, 0.3144

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.



21.9861, 0.3498, 0.3318



21.9861, 0.2905, 0.3441



21.9861, 0.3141, 0.3007

Square

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



21.9861, 0.2905, 0.3441



21.9861, 0.2786, 0.2960



21.9861, 0.3348, 0.3143



21.9861, 0.3476, 0.3620

Rectangle

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



21.9861, 0.2905, 0.3441



21.9861, 0.2729, 0.3121



21.9861, 0.3348, 0.3143



21.9861, 0.3543, 0.3436

Sweetspot

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



21.9870, 0.2905, 0.3441



42.0872, 0.3060, 0.3332



22.0623, 0.3196, 0.3823



9.7213, 0.3054, 0.3335



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



21.9870, 0.2905, 0.3441



38.5918, 0.2856, 0.3481



20.6838, 0.2823, 0.3183



5.2568, 0.3027, 0.3353



16.7673, 0.2504, 0.4216



0.0593, 0.2372, 0.3737

Inverse Universe

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



16.9108, 0.3412, 0.3144



27.7463, 0.3497, 0.3108



17.9394, 0.3502, 0.3394



4.7090, 0.3238, 0.3228



4.8842, 0.5741, 0.2936



0.0181, 0.4696, 0.2361

Previews

White Background



This preview shows how the Yxy color 21.9861, 0.2905, 0.3441 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9861, 0.2905, 0.3441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

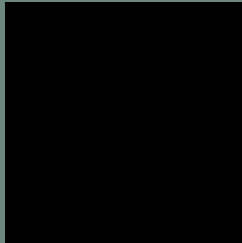
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9861, 0.2905, 0.3441

Background



This preview shows how black text looks on a background with the Yxy color 21.9861, 0.2905, 0.3441.



This preview shows how white text looks on a background with the Yxy color 21.9861, 0.2905, 0.3441.

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

21.9861, 0.2905, 0.3441

Protanopia

21.7739, 0.3230, 0.3380

Deuteranopia

21.9149, 0.3276, 0.3222



Tritanopia

22.0732, 0.2783, 0.3107

Trichromacy



Original Color

21.9861, 0.2905, 0.3441

Protanomaly

21.8988, 0.3110, 0.3418

Deuteranomaly

21.9262, 0.3138, 0.3308

Tritanomaly

22.1075, 0.2830, 0.3234

Monochromacy



Original Color

21.9861, 0.2905, 0.3441

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.1288, 0.3044, 0.3345

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9861, 0.2905, 0.3441 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(107, 135, 127)` looks like.

```
.text, #text, p{  
    color:rgb(107, 135, 127)  
}
```

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(107, 135, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 135, 127) }
```

Border

The CSS property to change the border of an element to Yxy 21.9861, 0.2905, 0.3441 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(107, 135, 127) }
```

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

```
.border{ border-color:rgb(107, 135, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 135, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 135, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 135, 127);  
box-shadow:4px 4px 4px 4px rgb(107, 135,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9861, 0.2905, 0.3441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 135, 127) }
```

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

```
.background{ background-color: rgb(107,  
135, 127) }
```

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