

Converting Colors

$Y_{xy}(21.8221, 0.2603, 0.3308)$

Have a look what the booklet for
Yxy(21.8221, 0.2603, 0.3308)
contains.

Yxy(21.8221, 0.2603, 0.3308)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.8221, 0.2603, 0.3308)

Conversions

Conversions Part 1

Format	Color
Hex	538A89
RGB	83, 138, 137
RGB Percent	33%, 54%, 54%
CMY	0.6745, 0.4588, 0.4627
CMYK	0.40, 0.00, 0.01, 0.46
HSL	179°, 25%, 43%
HSV	179°, 40%, 54%
XYZ	17.1714, 21.8221, 26.9742
YIQ	121.4410, -32.4590, -11.9710

Conversions

Conversions Part 2

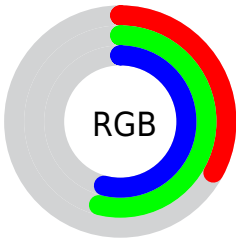
Format	Color
R_{YB}	83, 111, 138
Decimal	5474953
CIE _{Lab}	53.84, -18.37, -5.20
CIE _{LCh}	54, 19.090, 195.808
Yxy	21.8221, 0.2603, 0.3308
Android (android.graphics.Color)	4283665033 (0xFF538A89)
YUV	121.4410, 7.6706, -33.7128
Hunter-Lab	46.7141, -16.1359, -1.5360

Details

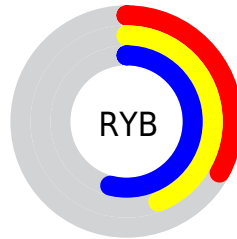
The Yxy color **21.8221, 0.2603, 0.3308** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **12.2311, 0.4062, 0.3274**, and the grayscale version is **19.2540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5679, 0.2716, 0.3317**, and **7.9589, 0.2408, 0.3319** is the 20% darker color. If you saturate the color by 10%, you get **21.2492, 0.2503, 0.3313**, and if you desaturate by 10%, it is **22.5217, 0.2718, 0.3303**.

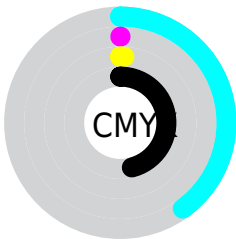
Distribution



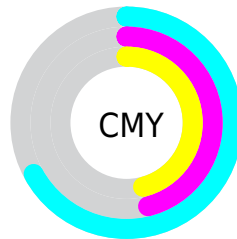
- Red (33%)
- Green (54%)
- Blue (54%)



- Red (33%)
- Yellow (44%)
- Blue (54%)



- Cyan (40%)
- Magenta (0%)
- Yellow (1%)
- Black (46%)





- Cyan (67%)
- Magenta (46%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8221, 0.2603, 0.3308 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 21.8221, 0.2603, 0.3308 by changing the saturation by 10% instead.


 21.8221, 0.2603,
0.3308

 21.8221, 0.2603,
0.3308


261.6158, 0.2894,
0.3302


 13.7262, 0.2519,
0.3307


 46.4518, 0.2717,
0.3307

 7.9305, 0.2402,
0.3305


 63.7544, 0.2757,
0.3306


 4.0505, 0.2232,
0.3298

 84.8947, 0.2790,
0.3306

 1.7019, 0.1961,
0.3276

 110.2572, 0.2818,
0.3305

 0.4249, 0.0000,
0.3396

 140.2261, 0.2841,
0.3304

 0.0000, 0.0000,
0.0000

175.1859, 0.2862,

0.3304

215.5210, 0.2879,
0.3303

■ 21.8221, 0.2603,
0.3308

■ 21.8221, 0.2603,
0.3308

■ 21.2492, 0.2503,
0.3313

■ 22.5217, 0.2718,
0.3303

■ 20.7930, 0.2421,
0.3319

■ 23.3522, 0.2846,
0.3298

■ 20.4461, 0.2356,
0.3324

■ 24.3208, 0.2984,
0.3294

■ 20.1991, 0.2309,
0.3330

■ 25.4336, 0.3129,
0.3290

■ 20.0413, 0.2280,
0.3336

■ 26.6960, 0.3280,
0.3286

■ 19.9421, 0.2262,
0.3341

■ 28.1134, 0.3433,
0.3283

■ 19.9407, 0.2262,
0.3341

■ 29.6908, 0.3587,
0.3280

■ 31.4330, 0.3738,
0.3278

■ 33.3445, 0.3887,
0.3276

Harmonies

Analogous

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



21.8221, 0.2855, 0.3633



21.8221, 0.2603, 0.3308



21.8221, 0.2489, 0.3000

Triad

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



21.8221, 0.2603, 0.3308



21.8221, 0.3036, 0.2795



21.8221, 0.3749, 0.3766

Complementary

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



21.8221, 0.2603, 0.3308



12.2311, 0.4062, 0.3274

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.



21.8221, 0.3810, 0.3521



21.8221, 0.2603, 0.3308



21.8221, 0.3386, 0.2978

Square

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



21.8221, 0.2603, 0.3308



21.8221, 0.2728, 0.2727



21.8221, 0.3675, 0.3237



21.8221, 0.3517, 0.3899

Rectangle

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



21.8221, 0.2603, 0.3308



21.8221, 0.2501, 0.2848



21.8221, 0.3675, 0.3237



21.8221, 0.3791, 0.3693

Sweetspot

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



21.8230, 0.2603, 0.3308



42.4351, 0.2950, 0.3295



20.7259, 0.3091, 0.4454



9.4757, 0.2935, 0.3295



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.



21.8230, 0.2603, 0.3308



37.5299, 0.2511, 0.3313



15.3372, 0.2516, 0.2759



5.6871, 0.2994, 0.3294



18.2825, 0.2262, 0.3341



0.1217, 0.2253, 0.3312

Inverse Universe

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



12.2311, 0.4062, 0.3274



18.1363, 0.4403, 0.3271



16.8952, 0.3893, 0.3763



5.0500, 0.3278, 0.3286



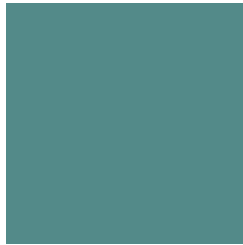
4.9593, 0.6372, 0.3284



0.0331, 0.6240, 0.3211

Previews

White Background



This preview shows how the Yxy color 21.8221, 0.2603, 0.3308 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 21.8221, 0.2603, 0.3308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

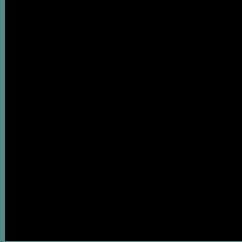
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8221, 0.2603, 0.3308

Background



This preview shows how black text looks on a background with the Yxy color 21.8221, 0.2603, 0.3308.

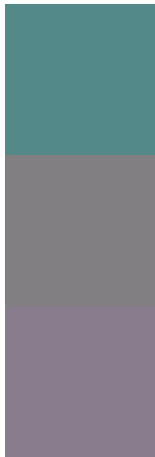


This preview shows how white text looks on a background with the Yxy color 21.8221, 0.2603, 0.3308.

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

21.8221, 0.2603, 0.3308

Protanopia

21.5633, 0.3119, 0.3219

Deuteranopia

21.7116, 0.3080, 0.3032



Tritanopia

21.6933, 0.2542, 0.3079

Trichromacy



Original Color

21.8221, 0.2603, 0.3308

Protanomaly

21.4368, 0.2907, 0.3252

Deuteranomaly

21.5423, 0.2879, 0.3125

Tritanomaly

21.8058, 0.2568, 0.3173

Monochromacy



Original Color

21.8221, 0.2603, 0.3308

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.8368, 0.2899, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8221, 0.2603, 0.3308 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(83, 138, 137)` looks like.

```
.text, #text, p{  
    color:rgb(83, 138, 137)  
}
```

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(83, 138, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 138, 137) }
```

Border

The CSS property to change the border of an element to Yxy 21.8221, 0.2603, 0.3308 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(83, 138, 137) }
```

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

```
.border{ border-color:rgb(83, 138, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 138, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 138, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 138, 137);  
box-shadow:4px 4px 4px 4px rgb(83, 138,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8221, 0.2603, 0.3308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 138, 137) }
```

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

```
.background{ background-color: rgb(83, 138,  
137) }
```

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