

Converting Colors

$Yxy(21.3623, 0.2581, 0.3199)$

Have a look what the booklet for
Yxy(21.3623, 0.2581, 0.3199)
contains.

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Color

$\text{Yxy}(21.3866, 0.2581, 0.3211)$

Conversions

Conversions Part 1

Format	Color
Hex	54888C
RGB	84, 136, 140
RGB Percent	33%, 53%, 55%
CMY	0.6707, 0.4666, 0.4510
CMYK	0.40, 0.03, 0.00, 0.45
HSL	184°, 25%, 44%
HSV	184°, 40%, 55%
XYZ	17.1905, 21.3866, 28.0270
YIQ	120.9080, -32.2760, -9.7800

Conversions

Conversions Part 2

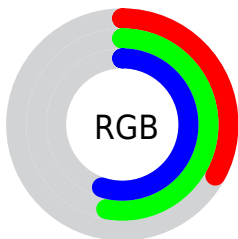
Format	Color
RYB	84, 111, 140
Decimal	5539980
CIELab	53.37, -16.25, -7.62
CIELCh	53, 17.946, 205.128
Yxy	21.3866, 0.2581, 0.3211
Android (android.graphics.Color)	4283730060 (0xFF54888C)
YUV	120.9080, 9.4124, -32.3683
Hunter-Lab	46.2456, -14.5775, -3.5606

Details

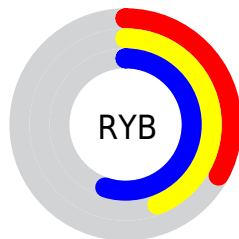
The Yxy color **21.3866, 0.2581, 0.3211** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **13.1834, 0.4059, 0.3366**, and the grayscale version is **19.0638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5245, 0.2693, 0.3219**, and **7.7008, 0.2372, 0.3166** is the 20% darker color. If you saturate the color by 10%, you get **20.5265, 0.2473, 0.3188**, and if you desaturate by 10%, it is **22.3800, 0.2703, 0.3233**.

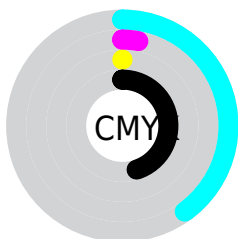
Distribution



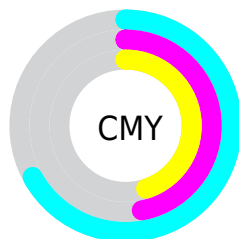
- Red (33%)
- Green (53%)
- Blue (55%)



- Red (33%)
- Yellow (44%)
- Blue (55%)



- Cyan (40%)
- Magenta (3%)
- Yellow (0%)
- Black (45%)



- Cyan (67%)
- Magenta (47%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.3866, 0.2581, 0.3211 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 21.3866, 0.2581, 0.3211 by changing the saturation by 10% instead.

■ 21.3866, 0.2581,
0.3211

■ 21.3866, 0.2581,
0.3211

■ 259.3260, 0.2885,
0.3261

■ 13.4069, 0.2493,
0.3194

■ 45.7301, 0.2700,
0.3232

■ 7.7093, 0.2372,
0.3167

■ 62.8626, 0.2742,
0.3239

■ 3.9095, 0.2195,
0.3124

■ 83.8149, 0.2776,
0.3245

■ 1.6231, 0.1915,
0.3042

■ 108.9713, 0.2805,
0.3249

■ 0.3731, 0.0000,
0.2843

■ 138.7162, 0.2829,
0.3253

■ 0.0000, 0.0000,
0.0000

173.4340, 0.2850,

0.3256

213.5091, 0.2869,
0.3259

■ 21.3866, 0.2581,
0.3211

■ 21.3866, 0.2581,
0.3211

■ 20.5265, 0.2473,
0.3188

■ 22.3800, 0.2703,
0.3233

■ 19.7896, 0.2382,
0.3165

■ 23.5114, 0.2836,
0.3253

■ 19.1679, 0.2307,
0.3142

■ 24.7881, 0.2978,
0.3272

■ 18.6520, 0.2251,
0.3118

■ 26.2163, 0.3127,
0.3290

■ 18.2304, 0.2213,
0.3095

■ 27.8019, 0.3279,
0.3306

■ 17.8721, 0.2187,
0.3072

■ 29.5503, 0.3432,
0.3321

■ 31.4667, 0.3584,
0.3334

■ 33.5561, 0.3733,
0.3345

■ 35.8233, 0.3879,
0.3355

Harmonies

Analogous

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



21.3866, 0.2784, 0.3524



21.3866, 0.2581, 0.3211



21.3866, 0.2519, 0.2943

Triad

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



21.3866, 0.2581, 0.3211



21.3866, 0.3144, 0.2864



21.3866, 0.3663, 0.3795

Complementary

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



21.3866, 0.2581, 0.3211



13.1834, 0.4059, 0.3366

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.



21.3866, 0.3775, 0.3589



21.3866, 0.2581, 0.3211



21.3866, 0.3468, 0.3065

Square

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



21.3866, 0.2581, 0.3211



21.3866, 0.2831, 0.2762



21.3866, 0.3704, 0.3325



21.3866, 0.3406, 0.3873

Rectangle

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



21.3866, 0.2581, 0.3211



21.3866, 0.2561, 0.2823



21.3866, 0.3704, 0.3325



21.3866, 0.3719, 0.3738

Sweetspot

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



21.3874, 0.2581, 0.3211



43.1867, 0.2946, 0.3268



21.3348, 0.3040, 0.4388



9.8923, 0.2930, 0.3266



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



21.3874, 0.2581, 0.3211



36.3401, 0.2483, 0.3191



14.5521, 0.2495, 0.2636



5.6289, 0.2991, 0.3274



15.8956, 0.2187, 0.3073



0.1140, 0.2219, 0.3188

Inverse Universe

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



13.6872, 0.3228, 0.2398



20.9518, 0.3254, 0.2213



18.6378, 0.3859, 0.3862



5.1230, 0.3147, 0.3089



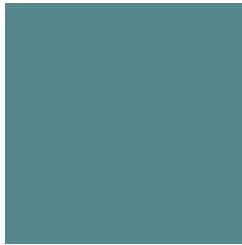
6.3889, 0.3390, 0.1641



0.0433, 0.3292, 0.1587

Previews

White Background



This preview shows how the Yxy color 21.3866, 0.2581, 0.3211 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 21.3866, 0.2581, 0.3211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

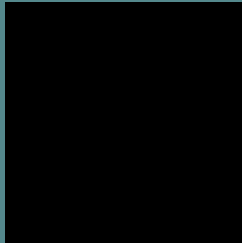
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3866, 0.2581, 0.3211

Background



This preview shows how black text looks on a background with the Yxy color 21.3866, 0.2581, 0.3211.



This preview shows how white text looks on a background with the Yxy color 21.3866, 0.2581, 0.3211.

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

21.3866, 0.2581, 0.3211

Protanopia

21.1550, 0.3052, 0.3147

Deuteranopia

21.3040, 0.3014, 0.2961



Tritanopia

21.3817, 0.2547, 0.3078

Trichromacy



Original Color

21.3866, 0.2581, 0.3211

Protanomaly

21.1223, 0.2856, 0.3178

Deuteranomaly

21.0362, 0.2838, 0.3035

Tritanomaly

21.2729, 0.2554, 0.3115

Monochromacy



Original Color

21.3866, 0.2581, 0.3211

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.6684, 0.2899, 0.3251

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3866, 0.2581, 0.3211 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(84, 136, 140)` looks like.

```
.text, #text, p{  
  color:rgb(84, 136, 140)  
}
```

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(84, 136, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 136, 140) }
```

Border

The CSS property to change the border of an element to Yxy 21.3866, 0.2581, 0.3211 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(84, 136, 140) }
```

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

```
.border{ border-color:rgb(84, 136, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 136, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 136, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 136, 140);  
box-shadow:4px 4px 4px 4px rgb(84, 136,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3866, 0.2581, 0.3211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 136, 140) }
```

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

```
.background{ background-color: rgb(84, 136,  
140) }
```

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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