

Converting Colors

$Y_{xy}(21.0545, 0.2539, 0.3316)$

Have a look what the booklet for
Yxy(21.0545, 0.2539, 0.3316)
contains.

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Color

$\text{Yxy}(21.0571, 0.2540, 0.3329)$

Conversions

Conversions Part 1

Format	Color
Hex	498987
RGB	73, 137, 135
RGB Percent	29%, 54%, 53%
CMY	0.7136, 0.4627, 0.4707
CMYK	0.47, 0.00, 0.01, 0.46
HSL	178°, 30%, 41%
HSV	178°, 47%, 54%
XYZ	16.0664, 21.0571, 26.1300
YIQ	117.6360, -37.5020, -14.1900

Conversions

Conversions Part 2

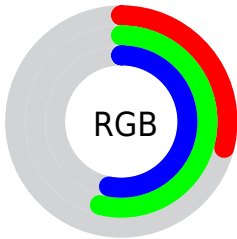
Format	Color
RYB	73, 106, 137
Decimal	4819335
CIELab	53.01, -21.01, -5.30
CIElCh	53, 21.665, 194.161
Yxy	21.0571, 0.2540, 0.3329
Android (android.graphics.Color)	4283009415 (0xFF498987)
YUV	117.6360, 8.5605, -39.1458
Hunter-Lab	45.8880, -17.8073, -1.6399




Details

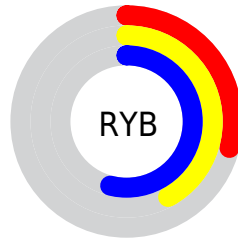
The Yxy color **21.0571, 0.2540, 0.3329** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **10.5957, 0.4294, 0.3256**, and the grayscale version is **17.9805, 0.3127, 0.3290**.




A 20% lighter version of the original color is **45.3281, 0.2669, 0.3332**, and **7.5656, 0.2316, 0.3352** is the 20% darker color. If you saturate the color by 10%, you get **20.5680, 0.2453, 0.3339**, and if you desaturate by 10%, it is **21.6658, 0.2644, 0.3320**.

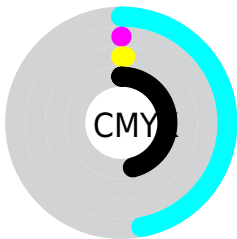
Distribution







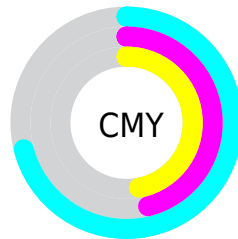
-  Red (29%)
-  Green (54%)
-  Blue (53%)






-  Red (29%)
-  Yellow (42%)
-  Blue (54%)



-  Cyan (47%)
-  Magenta (0%)
-  Yellow (1%)
-  Black (46%)





-  Cyan (71%)
-  Magenta (46%)
-  Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0571, 0.2540, 0.3329 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 21.0571, 0.2540, 0.3329 by changing the saturation by 10% instead.


 21.0571, 0.2540,
0.3329


 21.0571, 0.2540,
0.3329


257.5818, 0.2868,
0.3312


 13.1657, 0.2445,
0.3331


 45.1825, 0.2668,
0.3324


 7.5428, 0.2313,
0.3332


 62.1854, 0.2714,
0.3322

 3.8038, 0.2120,
0.3329

 82.9943, 0.2751,
0.3320

 1.5644, 0.1812,
0.3311

 107.9935, 0.2782,
0.3318

 0.3334, 0.0000,
0.3125

 137.5674, 0.2808,
0.3316

 0.0000, 0.0000,
0.0000

172.1005, 0.2831,

0.3315

211.9772, 0.2850,
0.3314

■ 21.0571, 0.2540,
0.3329

■ 21.0571, 0.2540,
0.3329

■ 20.5680, 0.2453,
0.3339

■ 21.6658, 0.2644,
0.3320

■ 20.1883, 0.2383,
0.3349

■ 22.3987, 0.2761,
0.3311

■ 19.9099, 0.2331,
0.3359

■ 23.2632, 0.2891,
0.3302

■ 19.7227, 0.2297,
0.3369

■ 24.2655, 0.3030,
0.3295

■ 19.6092, 0.2278,
0.3379

■ 25.4112, 0.3176,
0.3288

■ 19.5760, 0.2273,
0.3382

■ 26.7057, 0.3326,
0.3281

■ 28.1542, 0.3477,
0.3276

■ 29.7614, 0.3628,
0.3271

■ 31.5322, 0.3776,
0.3267

Harmonies

Analogous

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



21.0571, 0.2832, 0.3705



21.0571, 0.2540, 0.3329



21.0571, 0.2403, 0.2970

Triad

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



21.0571, 0.2540, 0.3329



21.0571, 0.2999, 0.2720



21.0571, 0.3849, 0.3818

Complementary

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



21.0571, 0.2540, 0.3329



10.5957, 0.4294, 0.3256

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.



21.0571, 0.3910, 0.3531



21.0571, 0.2540, 0.3329



21.0571, 0.3401, 0.2921

Square

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



21.0571, 0.2540, 0.3329



21.0571, 0.2654, 0.2649



21.0571, 0.3743, 0.3209



21.0571, 0.3590, 0.3986

Rectangle

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



21.0571, 0.2540, 0.3329



21.0571, 0.2410, 0.2794



21.0571, 0.3743, 0.3209



21.0571, 0.3895, 0.3731

Sweetspot

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



21.0579, 0.2540, 0.3329



42.0648, 0.2924, 0.3301



19.8755, 0.3081, 0.4688



9.3628, 0.2898, 0.3302



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.



21.0579, 0.2540, 0.3329



36.7910, 0.2449, 0.3339



13.7696, 0.2412, 0.2649



5.6859, 0.2995, 0.3297



18.2348, 0.2273, 0.3382



0.1215, 0.2259, 0.3331

Inverse Universe

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



10.5957, 0.4294, 0.3256



15.6548, 0.4725, 0.3251



15.4768, 0.4062, 0.3843



5.0510, 0.3276, 0.3283



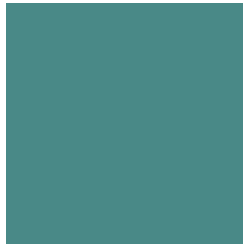
4.9633, 0.6351, 0.3272



0.0333, 0.6127, 0.3149

Previews

White Background



This preview shows how the Yxy color 21.0571, 0.2540, 0.3329 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 21.0571, 0.2540, 0.3329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

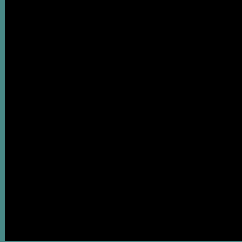
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0571, 0.2540, 0.3329

Background



This preview shows how black text looks on a background with the Yxy color 21.0571, 0.2540, 0.3329.



This preview shows how white text looks on a background with the Yxy color 21.0571, 0.2540, 0.3329.

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

21.0571, 0.2540, 0.3329

Protanopia

20.8149, 0.3130, 0.3236

Deuteranopia

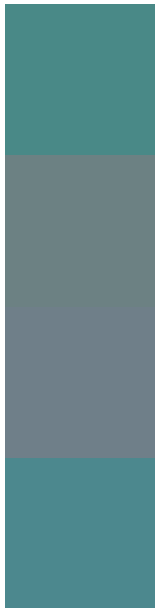
20.7406, 0.3080, 0.3011



Tritanopia

20.9810, 0.2478, 0.3074

Trichromacy



Original Color

21.0571, 0.2540, 0.3329

Protanomaly

20.5274, 0.2872, 0.3251

Deuteranomaly

20.3644, 0.2843, 0.3102

Tritanomaly

21.0978, 0.2504, 0.3170

Monochromacy



Original Color

21.0571, 0.2540, 0.3329

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.9472, 0.2873, 0.3309

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0571, 0.2540, 0.3329 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(73, 137, 135)` looks like.

```
.text, #text, p{  
  color:rgb(73, 137, 135)  
}
```

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(73, 137, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 137, 135) }
```

Border

The CSS property to change the border of an element to Yxy 21.0571, 0.2540, 0.3329 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(73, 137, 135) }
```

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

```
.border{ border-color:rgb(73, 137, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 137, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 137, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 137, 135);  
box-shadow:4px 4px 4px 4px rgb(73, 137,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0571, 0.2540, 0.3329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 137, 135) }
```

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

```
.background{ background-color: rgb(73, 137,  
135) }
```

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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