

Converting Colors

$Yxy(21.3156, 0.2640, 0.3846)$

Have a look what the booklet for
Yxy(21.3156, 0.2640, 0.3846)
contains.

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Color

Yxy(21.3443, 0.2639, 0.3840)

Conversions

Conversions Part 1

Format	Color
Hex	3F8D73
RGB	63, 141, 115
RGB Percent	25%, 55%, 45%
CMY	0.7530, 0.4470, 0.5490
CMYK	0.55, 0.00, 0.18, 0.45
HSL	160°, 38%, 40%
HSV	160°, 55%, 55%
XYZ	14.6686, 21.3443, 19.5712
YIQ	114.7140, -38.1420, -24.6220

Conversions

Conversions Part 2

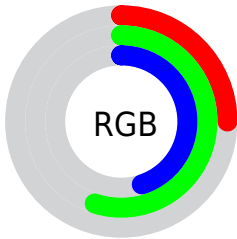
Format	Color
RYB	63, 110, 141
Decimal	4164979
CIELab	53.32, -30.61, 6.65
CIELCh	53, 31.329, 167.738
Yxy	21.3443, 0.2639, 0.3840
Android (android.graphics.Color)	4282355059 (0xFF3F8D73)
YUV	114.7140, 0.1410, -45.3532
Hunter-Lab	46.1999, -24.1754, 7.2235

Details

The Yxy color **21.3443, 0.2639, 0.3840** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.9358, 0.4150, 0.2831**, and the grayscale version is **17.0602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.6021, 0.2750, 0.3707**, and **7.7176, 0.2465, 0.4075** is the 20% darker color. If you saturate the color by 10%, you get **20.8337, 0.2589, 0.3961**, and if you desaturate by 10%, it is **21.9810, 0.2705, 0.3724**.

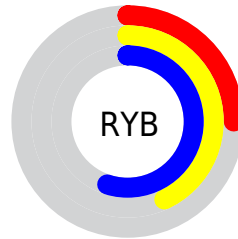
Distribution



Red (25%)

Green (55%)

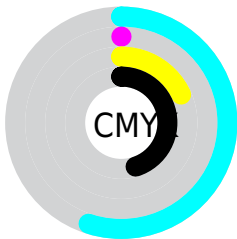
Blue (45%)



Red (25%)

Yellow (43%)

Blue (55%)

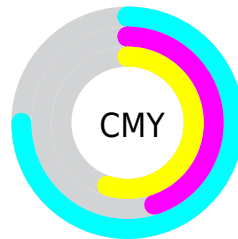


Cyan (55%)

Magenta (0%)

Yellow (18%)

Black (45%)



Cyan (75%)


Magenta (45%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3443, 0.2639, 0.3840 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 21.3443, 0.2639, 0.3840 by changing the saturation by 10% instead.

 21.3443, 0.2639,
0.3840

 21.3443, 0.2639,
0.3840


259.1026, 0.2918,
0.3520

 13.3759, 0.2554,
0.3940


 45.6598, 0.2751,
0.3711


 7.6879, 0.2434,
0.4083


 62.7758, 0.2789,
0.3666


 3.8959, 0.2252,
0.4307

 83.7097, 0.2821,
0.3630

 1.6155, 0.1913,
0.4721

 108.8460, 0.2847,
0.3601

 0.3680, 0.0000,
1.0000

 138.5690, 0.2869,
0.3576

 0.0000, 0.0000,
0.0000

173.2632, 0.2888,

0.3555

213.3129, 0.2904,
0.3536

■ 21.3443, 0.2639,
0.3840

■ 21.3443, 0.2639,
0.3840

■ 20.8337, 0.2589,
0.3961

■ 21.9810, 0.2705,
0.3724

■ 20.4372, 0.2557,
0.4085

■ 22.7497, 0.2784,
0.3614

■ 20.1451, 0.2544,
0.4209

■ 23.6588, 0.2873,
0.3512

■ 19.9423, 0.2549,
0.4333

■ 24.7153, 0.2970,
0.3418

■ 19.8600, 0.2553,
0.4391

■ 25.9258, 0.3072,
0.3332

■ 27.2966, 0.3176,
0.3255

■ 28.8332, 0.3281,
0.3186

■ 30.5414, 0.3386,
0.3125

■ 32.4264, 0.3488,
0.3070

Harmonies

Analogous

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



21.3443, 0.3168, 0.4247



21.3443, 0.2639, 0.3840



21.3443, 0.2262, 0.3263

Triad

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



21.3443, 0.2639, 0.3840



21.3443, 0.2505, 0.2398



21.3443, 0.4262, 0.3655

Complementary

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



21.3443, 0.2639, 0.3840



9.9358, 0.4150, 0.2831

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.



21.3443, 0.4063, 0.3212



21.3443, 0.2639, 0.3840



21.3443, 0.3002, 0.2524

Square

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



21.3443, 0.2639, 0.3840



21.3443, 0.2195, 0.2471



21.3443, 0.3583, 0.2813



21.3443, 0.4122, 0.4059

Rectangle

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



21.3443, 0.2639, 0.3840



21.3443, 0.2135, 0.2912



21.3443, 0.3583, 0.2813



21.3443, 0.4233, 0.3507

Sweetspot

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



21.3452, 0.2639, 0.3840



43.8530, 0.2950, 0.3436



21.5327, 0.3293, 0.4876



9.7202, 0.2933, 0.3452



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.



21.3452, 0.2639, 0.3840



37.1435, 0.2581, 0.3986



18.4173, 0.2390, 0.3020



6.0862, 0.3032, 0.3364



18.1104, 0.2552, 0.4386



0.1772, 0.2397, 0.3827

Inverse Universe

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



9.9358, 0.4150, 0.2831



14.6074, 0.4518, 0.2767



11.1877, 0.4556, 0.3524



5.4519, 0.3233, 0.3217



5.3529, 0.5578, 0.2846



0.0549, 0.4522, 0.2265

Previews

White Background



This preview shows how the Yxy color 21.3443, 0.2639, 0.3840 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 21.3443, 0.2639, 0.3840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

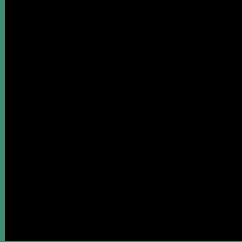
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3443, 0.2639, 0.3840

Background



This preview shows how black text looks on a background with the Yxy color 21.3443, 0.2639, 0.3840.



This preview shows how white text looks on a background with the Yxy color 21.3443, 0.2639, 0.3840.

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

21.3443, 0.2639, 0.3840

Protanopia

20.9910, 0.3419, 0.3618

Deuteranopia

21.0018, 0.3414, 0.3343



Tritanopia

21.4459, 0.2443, 0.3075

Trichromacy



Original Color

21.3443, 0.2639, 0.3840

Protanomaly

20.5684, 0.3075, 0.3683

Deuteranomaly

20.5192, 0.3060, 0.3501

Tritanomaly

21.2197, 0.2508, 0.3328

Monochromacy



Original Color

21.3443, 0.2639, 0.3840

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.1399, 0.2898, 0.3476

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3443, 0.2639, 0.3840 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(63, 141, 115)` looks like.

```
.text, #text, p{  
    color:rgb(63, 141, 115)  
}
```

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(63, 141, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 141, 115) }
```

Border

The CSS property to change the border of an element to Yxy 21.3443, 0.2639, 0.3840 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(63, 141, 115) }
```

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

```
.border{ border-color:rgb(63, 141, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 141, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 141, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 141, 115);  
box-shadow:4px 4px 4px 4px rgb(63, 141,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3443, 0.2639, 0.3840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 141, 115) }
```

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

```
.background{ background-color: rgb(63, 141,  
115) }
```

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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