

Converting Colors

$Y_{xy}(24.2638, 0.2658, 0.3656)$

Have a look what the booklet for
Yxy(24.2638, 0.2658, 0.3656)
contains.

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Color

$\text{Yxy}(24.3845, 0.2656, 0.3660)$

Conversions

Conversions Part 1

Format	Color
Hex	4E9481
RGB	78, 148, 129
RGB Percent	31%, 58%, 51%
CMY	0.6940, 0.4196, 0.4941
CMYK	0.47, 0.00, 0.13, 0.42
HSL	164°, 31%, 44%
HSV	164°, 47%, 58%
XYZ	17.6954, 24.3845, 24.5444
YIQ	124.9040, -35.6210, -20.7490

Conversions

Conversions Part 2

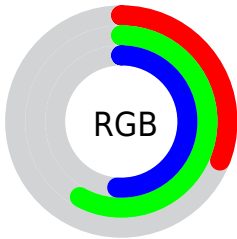
Format	Color
R_{YB}	78, 118, 148
Decimal	5149825
CIE Lab	56.47, -26.87, 3.23
CIE LCh	56, 27.064, 173.146
Yxy	24.3845, 0.2656, 0.3660
Android (android.graphics.Color)	4283339905 (0xFF4E9481)
YUV	124.9040, 2.0193, -41.1348
Hunter-Lab	49.3807, -22.4512, 5.0967

Details

The Yxy color **24.3845, 0.2656, 0.3660** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.6105, 0.4018, 0.2964**, and the grayscale version is **20.4782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4438, 0.2755, 0.3570**, and **9.2880, 0.2474, 0.3809** is the 20% darker color. If you saturate the color by 10%, you get **23.7242, 0.2588, 0.3754**, and if you desaturate by 10%, it is **25.1916, 0.2738, 0.3570**.

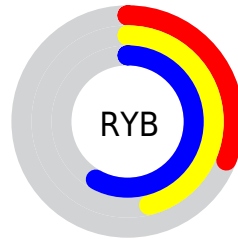
Distribution



Red (31%)

Green (58%)

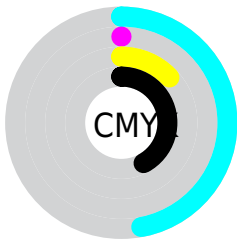
Blue (51%)



Red (31%)

Yellow (46%)

Blue (58%)

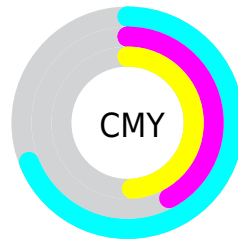


Cyan (47%)

Magenta (0%)

Yellow (13%)

Black (42%)



Cyan (69%)

Magenta (42%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.3845, 0.2656, 0.3660 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 24.3845, 0.2656, 0.3660 by changing the saturation by 10% instead.

■ 24.3845, 0.2656,
0.3660

■ 24.3845, 0.2656,
0.3660

■ 274.7587, 0.2918,
0.3452

■ 15.6191, 0.2580,
0.3721

■ 50.6569, 0.2758,
0.3578

■ 9.2550, 0.2476,
0.3807

■ 68.9327, 0.2794,
0.3549

■ 4.9079, 0.2323,
0.3935

■ 91.1474, 0.2824,
0.3526

■ 2.1933, 0.2078,
0.4145

■ 117.6855, 0.2849,
0.3506

■ 0.7163, 0.0192,
0.5530

■ 148.9312, 0.2870,
0.3489

■ 0.0000, 0.0000,
0.0000

185.2691, 0.2888,

0.3475

227.0834, 0.2904,
0.3463

■ 24.3845, 0.2656,
0.3660

■ 24.3845, 0.2656,
0.3660

■ 23.7242, 0.2588,
0.3754

■ 25.1916, 0.2738,
0.3570

■ 23.1983, 0.2537,
0.3852

■ 26.1514, 0.2833,
0.3487

■ 22.7968, 0.2504,
0.3951


■ 27.2728, 0.2936,
0.3409


■ 22.5074, 0.2490,
0.4051


■ 28.5633, 0.3045,
0.3338


■ 22.3082, 0.2492,
0.4150

■ 30.0299, 0.3158,
0.3273

 22.2590, 0.2494,
0.4178

 31.6790, 0.3273,
0.3215

 33.5171, 0.3388,
0.3164

 35.5500, 0.3501,
0.3118

 37.7834, 0.3611,
0.3078

Harmonies

Analogous

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



24.3845, 0.3085, 0.4027



24.3845, 0.2656, 0.3660



24.3845, 0.2365, 0.3193

Triad

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



24.3845, 0.2656, 0.3660



24.3845, 0.2675, 0.2546



24.3845, 0.4066, 0.3674

Complementary

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



24.3845, 0.2656, 0.3660



12.6105, 0.4018, 0.2964

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.



24.3845, 0.3948, 0.3300



24.3845, 0.2656, 0.3660



24.3845, 0.3113, 0.2679

Square

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



24.3845, 0.2656, 0.3660



24.3845, 0.2378, 0.2581



24.3845, 0.3588, 0.2947



24.3845, 0.3910, 0.3989

Rectangle

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



24.3845, 0.2656, 0.3660



24.3845, 0.2279, 0.2916



24.3845, 0.3588, 0.2947



24.3845, 0.4057, 0.3552

Sweetspot

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



24.3855, 0.2656, 0.3660



48.7739, 0.2968, 0.3387



24.3183, 0.3247, 0.4649



11.0353, 0.2947, 0.3401



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



24.3855, 0.2656, 0.3660



41.7719, 0.2583, 0.3762



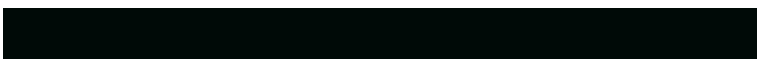
20.4892, 0.2463, 0.2994



6.5356, 0.3024, 0.3351



19.0174, 0.2492, 0.4171



0.2377, 0.2364, 0.3712

Inverse Universe

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



12.6105, 0.4018, 0.2964



18.3453, 0.4350, 0.2902



14.7067, 0.4237, 0.3556



5.8397, 0.3242, 0.3230



5.5137, 0.5803, 0.2970



0.0719, 0.4752, 0.2392

Previews

White Background



This preview shows how the Yxy color 24.3845, 0.2656, 0.3660 looks on a white background.

Color Contrast Check

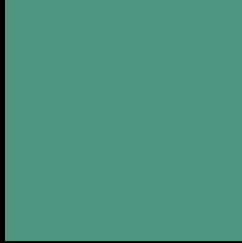
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3845, 0.2656, 0.3660 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 24.3845, 0.2656, 0.3660

Background



This preview shows how black text looks on a background with the Yxy color 24.3845, 0.2656, 0.3660.

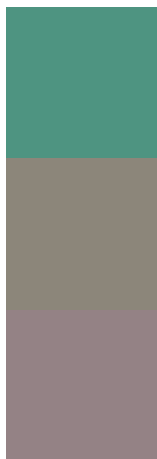


This preview shows how white text looks on a background with the Yxy color 24.3845, 0.2656, 0.3660.

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

24.3845, 0.2656, 0.3660

Protanopia

24.0308, 0.3325, 0.3496

Deuteranopia

23.9546, 0.3305, 0.3241



Tritanopia

24.3253, 0.2500, 0.3070

Trichromacy



Original Color

24.3845, 0.2656, 0.3660

Protanomaly

23.7278, 0.3029, 0.3546

Deuteranomaly

23.7682, 0.3025, 0.3379

Tritanomaly

24.1651, 0.2555, 0.3270

Monochromacy



Original Color

24.3845, 0.2656, 0.3660

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.4696, 0.2924, 0.3423

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3845, 0.2656, 0.3660 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(78, 148, 129)` looks like.

```
.text, #text, p{  
    color:rgb(78, 148, 129)  
}
```

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(78, 148, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 148, 129) }
```

Border

The CSS property to change the border of an element to Yxy 24.3845, 0.2656, 0.3660 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(78, 148, 129) }
```

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

```
.border{ border-color:rgb(78, 148, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 148, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 148, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 148, 129);  
box-shadow:4px 4px 4px 4px rgb(78, 148,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3845, 0.2656, 0.3660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 148, 129) }
```

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

```
.background{ background-color: rgb(78, 148,  
129) }
```

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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