

Converting Colors

$Yxy(28.6843, 0.2460, 0.3458)$

Have a look what the booklet for
Yxy(28.6843, 0.2460, 0.3458)
contains.

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Color

$\text{Yxy}(28.8141, 0.2463, 0.3471)$

Conversions

Conversions Part 1

Format	Color
Hex	40A197
RGB	64, 161, 151
RGB Percent	25%, 63%, 59%
CMY	0.7488, 0.3686, 0.4079
CMYK	0.60, 0.00, 0.06, 0.37
HSL	174°, 43%, 44%
HSV	174°, 60%, 63%
XYZ	20.4463, 28.8141, 33.7534
YIQ	130.8570, -54.6020, -23.6740

Conversions

Conversions Part 2

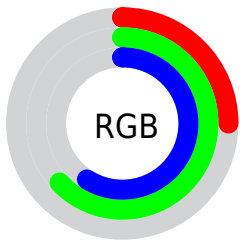
Format	Color
R _{YB}	64, 115, 161
Decimal	4235671
CIE Lab	60.62, -30.66, -3.26
CIE LCh	61, 30.828, 186.068
Yxy	28.8141, 0.2463, 0.3471
Android (android.graphics.Color)	4282425751 (0xFF40A197)
YUV	130.8570, 9.9305, -58.6336
Hunter-Lab	53.6788, -25.9470, 0.2933

Details

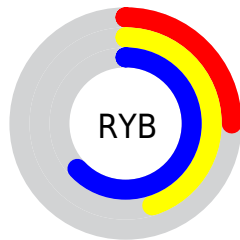
The Yxy color **28.8141, 0.2463, 0.3471** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.7456, 0.4760, 0.3146**, and the grayscale version is **22.6270, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6571, 0.2598, 0.3435**, and **11.8574, 0.2315, 0.3533** is the 20% darker color. If you saturate the color by 10%, you get **28.2970, 0.2405, 0.3506**, and if you desaturate by 10%, it is **29.4901, 0.2539, 0.3437**.

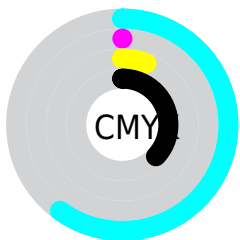
Distribution



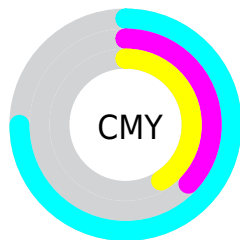
- Red (25%)
- Green (63%)
- Blue (59%)



- Red (25%)
- Yellow (45%)
- Blue (63%)



- Cyan (60%)
- Magenta (0%)
- Yellow (6%)
- Black (37%)





- Cyan (75%)
- Magenta (37%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8141, 0.2463, 0.3471 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 28.8141, 0.2463, 0.3471 by changing the saturation by 10% instead.


 28.8141, 0.2463,
0.3471


 28.8141, 0.2463,
0.3471


296.3368, 0.2817,
0.3378

 18.9402, 0.2367,
0.3495


 57.7816, 0.2597,
0.3437


 11.6271, 0.2240,
0.3525


 77.6440, 0.2646,
0.3424

 6.4903, 0.2062,
0.3565


 101.6047, 0.2686,
0.3413

 3.1454, 0.1799,
0.3619

 130.0482, 0.2720,
0.3404

 1.2081, 0.1155,
0.3784

 163.3587, 0.2750,
0.3396

 0.0683, 0.0000,
0.1844

201.9207, 0.2775,

 0.0000, 0.0000,

0.3390

0.0000

246.1186, 0.2797,
0.3384

■ 28.8141, 0.2463,
0.3471

■ 28.8141, 0.2463,
0.3471

■ 28.2970, 0.2405,
0.3506

■ 29.4901, 0.2539,
0.3437

■ 27.9215, 0.2366,
0.3541

■ 30.3337, 0.2632,
0.3404

■ 27.6726, 0.2344,
0.3576

■ 31.3571, 0.2739,
0.3373

■ 27.5143, 0.2336,
0.3610

■ 32.5704, 0.2859,
0.3343

■ 33.9827, 0.2988,
0.3316

■ 35.6029, 0.3124,
0.3291

■ 37.4391, 0.3264,
0.3268

■ 39.4990, 0.3406,
0.3248

■ 41.7900, 0.3548,
0.3230

Harmonies

Analogous

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



28.8141, 0.2869, 0.3944



28.8141, 0.2463, 0.3471



28.8141, 0.2240, 0.2982

Triad

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



28.8141, 0.2463, 0.3471



28.8141, 0.2829, 0.2535



28.8141, 0.4098, 0.3857

Complementary

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



28.8141, 0.2463, 0.3471



11.7456, 0.4760, 0.3146

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.



28.8141, 0.4103, 0.3471



28.8141, 0.2463, 0.3471



28.8141, 0.3335, 0.2745

Square

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



28.8141, 0.2463, 0.3471



28.8141, 0.2438, 0.2490



28.8141, 0.3816, 0.3076



28.8141, 0.3819, 0.4140

Rectangle

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



28.8141, 0.2463, 0.3471



28.8141, 0.2211, 0.2731



28.8141, 0.3816, 0.3076



28.8141, 0.4134, 0.3734

Sweetspot

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



28.8152, 0.2463, 0.3471



58.7779, 0.2883, 0.3338



27.3711, 0.3118, 0.5141



12.7481, 0.2848, 0.3345



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



28.8152, 0.2463, 0.3471



50.4405, 0.2391, 0.3517



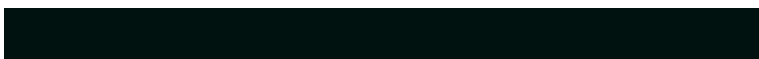
18.0398, 0.2244, 0.2572



7.9986, 0.3001, 0.3313



21.9785, 0.2335, 0.3607



0.4652, 0.2300, 0.3480

Inverse Universe

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



11.7456, 0.4760, 0.3146



17.1474, 0.5338, 0.3145



17.2976, 0.4539, 0.3868



7.0973, 0.3269, 0.3267



6.0861, 0.6252, 0.3218



0.1312, 0.5671, 0.2898

Previews

White Background



This preview shows how the Yxy color 28.8141, 0.2463, 0.3471 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 28.8141, 0.2463, 0.3471 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 28.8141, 0.2463, 0.3471

Background



This preview shows how black text looks on a background with the Yxy color 28.8141, 0.2463, 0.3471.

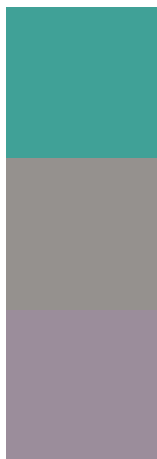


This preview shows how white text looks on a background with the Yxy color 28.8141, 0.2463, 0.3471.

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

28.8141, 0.2463, 0.3471

Protanopia

28.5934, 0.3199, 0.3338

Deuteranopia

28.3849, 0.3137, 0.3075



Tritanopia

28.7717, 0.2369, 0.3063

Trichromacy



Original Color

28.8141, 0.2463, 0.3471

Protanomaly

28.0291, 0.2862, 0.3392

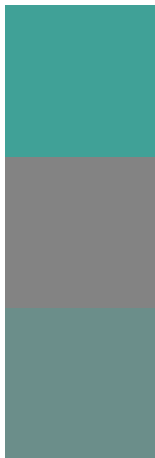
Deuteranomaly

27.6505, 0.2819, 0.3188

Tritanomaly

28.7418, 0.2399, 0.3200

Monochromacy



Original Color

28.8141, 0.2463, 0.3471

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

24.3068, 0.2811, 0.3362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8141, 0.2463, 0.3471 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(64, 161, 151)` looks like.

```
.text, #text, p{  
    color:rgb(64, 161, 151)  
}
```

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(64, 161, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 161, 151) }
```

Border

The CSS property to change the border of an element to Yxy 28.8141, 0.2463, 0.3471 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(64, 161, 151) }
```

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

```
.border{ border-color:rgb(64, 161, 151) }
```

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

Here you see how a box with a 4 pixel rgb(64, 161, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 161, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 161, 151);  
box-shadow:4px 4px 4px 4px rgb(64, 161,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8141, 0.2463, 0.3471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 161, 151) }
```

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

```
.background{ background-color: rgb(64, 161,  
151) }
```

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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