

Converting Colors

$Yxy(29.2179, 0.2591, 0.3847)$

Have a look what the booklet for
Yxy(29.2179, 0.2591, 0.3847)
contains.

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Color

Yxy(29.0739, 0.2590, 0.3833)

Conversions

Conversions Part 1

Format	Color
Hex	42A386
RGB	66, 163, 134
RGB Percent	26%, 64%, 53%
CMY	0.7413, 0.3608, 0.4745
CMYK	0.60, 0.00, 0.18, 0.36
HSL	162°, 42%, 45%
HSV	162°, 60%, 64%
XYZ	19.6456, 29.0739, 27.1321
YIQ	130.6910, -48.5030, -29.5830

Conversions

Conversions Part 2

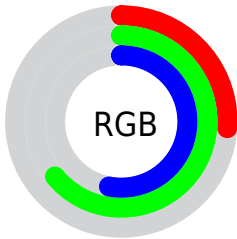
Format	Color
RYB	66, 123, 163
Decimal	4367238
CIELab	60.85, -35.61, 6.64
CIElCh	61, 36.222, 169.438
Yxy	29.0739, 0.2590, 0.3833
Android (android.graphics.Color)	4282557318 (0xFF42A386)
YUV	130.6910, 1.6313, -56.7340
Hunter-Lab	53.9202, -29.3248, 7.9100

Details

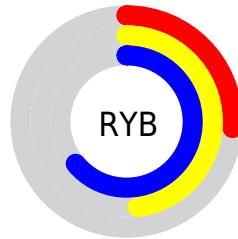
The Yxy color **29.0739, 0.2590, 0.3833** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.5056, 0.4360, 0.2852**, and the grayscale version is **22.5858, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9416, 0.2704, 0.3711**, and **11.7920, 0.2453, 0.4031** is the 20% darker color. If you saturate the color by 10%, you get **28.4547, 0.2545, 0.3943**, and if you desaturate by 10%, it is **29.8629, 0.2652, 0.3726**.

Distribution



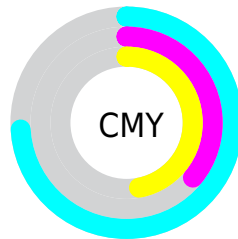
- Red (26%)
- Green (64%)
- Blue (53%)



- Red (26%)
- Yellow (48%)
- Blue (64%)



- Cyan (60%)
- Magenta (0%)
- Yellow (18%)
- Black (36%)





- Cyan (74%)
- Magenta (36%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.0739, 0.2590, 0.3833 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 29.0739, 0.2590, 0.3833 by changing the saturation by 10% instead.


 29.0739, 0.2590,
0.3833


 29.0739, 0.2590,
0.3833


297.5635, 0.2883,
0.3532


 19.1367, 0.2508,
0.3920


 58.1945, 0.2703,
0.3715


 11.7691, 0.2397,
0.4039


 78.1467, 0.2743,
0.3674


 6.5867, 0.2238,
0.4214


 102.2060, 0.2776,
0.3640

 3.2050, 0.1994,
0.4493

 130.7569, 0.2804,
0.3611

 1.2397, 0.1155,
0.5264

 164.1837, 0.2828,
0.3587

 0.0937, 0.0000,
1.0000

202.8708, 0.2849,

 0.0000, 0.0000,

0.3566

0.0000

247.2026, 0.2867,
0.3548

■ 29.0739, 0.2590,
0.3833

■ 29.0739, 0.2590,
0.3833

■ 28.4547, 0.2545,
0.3943

■ 29.8629, 0.2652,
0.3726

■ 27.9878, 0.2520,
0.4055

■ 30.8309, 0.2729,
0.3625

■ 27.6576, 0.2514,
0.4167

■ 31.9904, 0.2818,
0.3529

■ 27.4282, 0.2523,
0.4278

■ 33.3517, 0.2917,
0.3441

■ 27.4180, 0.2523,
0.4283

■ 34.9244, 0.3023,
0.3360

■ 36.7176, 0.3132,
0.3287

■ 38.7397, 0.3244,
0.3221

■ 40.9987, 0.3355,
0.3162

■ 43.5023, 0.3466,
0.3111

Harmonies

Analogous

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



29.0739, 0.3134, 0.4277



29.0739, 0.2590, 0.3833



29.0739, 0.2212, 0.3226

Triad

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



29.0739, 0.2590, 0.3833



29.0739, 0.2504, 0.2367



29.0739, 0.4311, 0.3691

Complementary

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



29.0739, 0.2590, 0.3833



12.5056, 0.4360, 0.2852

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.



29.0739, 0.4124, 0.3232



29.0739, 0.2590, 0.3833



29.0739, 0.3029, 0.2508

Square

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



29.0739, 0.2590, 0.3833



29.0739, 0.2172, 0.2428



29.0739, 0.3635, 0.2815



29.0739, 0.4144, 0.4108

Rectangle

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



29.0739, 0.2590, 0.3833



29.0739, 0.2090, 0.2866



29.0739, 0.3635, 0.2815



29.0739, 0.4289, 0.3538

Sweetspot

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



29.0751, 0.2590, 0.3833



60.0421, 0.2930, 0.3431



29.0267, 0.3266, 0.5040



13.3211, 0.2901, 0.3455



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



29.0751, 0.2590, 0.3833



50.6967, 0.2536, 0.3974



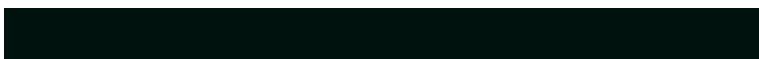
23.6268, 0.2328, 0.2931



7.9750, 0.3026, 0.3358



21.3155, 0.2520, 0.4273



0.4556, 0.2409, 0.3872

Inverse Universe

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



12.5056, 0.4360, 0.2852



18.3698, 0.4799, 0.2812



14.7365, 0.4715, 0.3588



7.1192, 0.3240, 0.3223



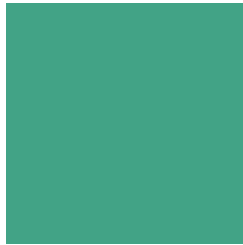
6.2293, 0.5720, 0.2924



0.1388, 0.4755, 0.2393

Previews

White Background



This preview shows how the Yxy color 29.0739, 0.2590, 0.3833 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 29.0739, 0.2590, 0.3833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

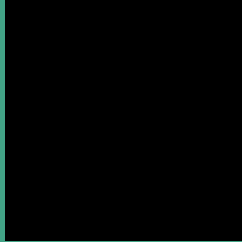
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.0739, 0.2590, 0.3833

Background



This preview shows how black text looks on a background with the Yxy color 29.0739, 0.2590, 0.3833.



This preview shows how white text looks on a background with the Yxy color 29.0739, 0.2590, 0.3833.

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

29.0739, 0.2590, 0.3833

Protanopia

28.5038, 0.3415, 0.3610

Deuteranopia

28.7004, 0.3390, 0.3321



Tritanopia

29.0563, 0.2405, 0.3065

Trichromacy



Original Color

29.0739, 0.2590, 0.3833

Protanomaly

28.0799, 0.3039, 0.3708

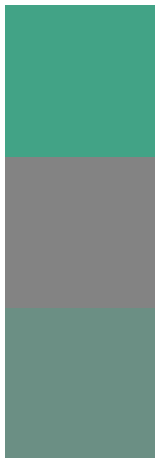
Deuteranomaly

27.8902, 0.3027, 0.3494

Tritanomaly

29.0661, 0.2466, 0.3324

Monochromacy



Original Color

29.0739, 0.2590, 0.3833

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

24.4367, 0.2865, 0.3492

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.0739, 0.2590, 0.3833 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(66, 163, 134)` looks like.

```
.text, #text, p{  
    color:rgb(66, 163, 134)  
}
```

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(66, 163, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 163, 134) }
```

Border

The CSS property to change the border of an element to Yxy 29.0739, 0.2590, 0.3833 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(66, 163, 134) }
```

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

```
.border{ border-color:rgb(66, 163, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 163, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 163, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 163, 134);  
box-shadow:4px 4px 4px 4px rgb(66, 163,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 29.0739, 0.2590, 0.3833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 163, 134) }
```

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

```
.background{ background-color: rgb(66, 163,  
134) }
```

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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