

Converting Colors

$Yxy(29.5526, 0.2708, 0.3924)$

Have a look what the booklet for
Yxy(29.5526, 0.2708, 0.3924)
contains.

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Color

Yxy(29.4848, 0.2707, 0.3919)

Conversions

Conversions Part 1

Format	Color
Hex	50A381
RGB	80, 163, 129
RGB Percent	31%, 64%, 51%
CMY	0.6863, 0.3608, 0.4941
CMYK	0.51, 0.00, 0.21, 0.36
HSL	155°, 34%, 48%
HSV	155°, 51%, 64%
XYZ	20.3663, 29.4848, 25.3845
YIQ	134.3070, -38.5540, -28.1700

Conversions

Conversions Part 2

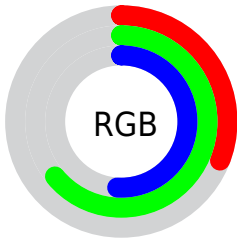
Format	Color
RYB	80, 132, 163
Decimal	5284737
CIELab	61.21, -33.59, 10.02
CIELCh	61, 35.053, 163.385
Yxy	29.4848, 0.2707, 0.3919
Android (android.graphics.Color)	4283474817 (0xFF50A381)
YUV	134.3070, -2.6164, -47.6272
Hunter-Lab	54.2999, -28.0749, 10.2927

Details

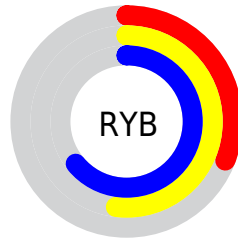
The Yxy color **29.4848, 0.2707, 0.3919** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **14.7365, 0.3934, 0.2760**, and the grayscale version is **23.9781, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.6711, 0.2798, 0.3774**, and **12.0865, 0.2550, 0.4165** is the 20% darker color. If you saturate the color by 10%, you get **28.6888, 0.2657, 0.4071**, and if you desaturate by 10%, it is **30.4669, 0.2772, 0.3775**.

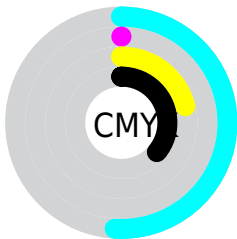
Distribution



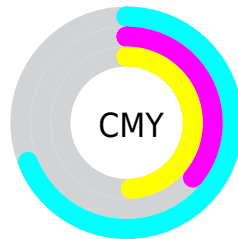
- Red (31%)
- Green (64%)
- Blue (51%)



- Red (31%)
- Yellow (52%)
- Blue (64%)



- Cyan (51%)
- Magenta (0%)
- Yellow (21%)
- Black (36%)





- Cyan (69%)
- Magenta (36%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.4848, 0.2707, 0.3919 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 29.4848, 0.2707, 0.3919 by changing the saturation by 10% instead.


 29.4848, 0.2707,
0.3919


 29.4848, 0.2707,
0.3919


299.4956, 0.2939,
0.3568


 19.4479, 0.2641,
0.4021


 58.8465, 0.2797,
0.3781


 11.9943, 0.2550,
0.4163


 78.9400, 0.2829,
0.3733

 6.7398, 0.2419,
0.4372


 103.1545, 0.2855,
0.3693

 3.2999, 0.2211,
0.4709

 131.8744, 0.2877,
0.3660

 1.2903, 0.1562,
0.5611

 165.4840, 0.2896,
0.3631

 0.1336, 0.0000,
1.0000

204.3678, 0.2912,

 0.0000, 0.0000,

0.3607

0.0000

248.9102, 0.2926,
0.3586

■ 29.4848, 0.2707,
0.3919

■ 29.4848, 0.2707,
0.3919

■ 28.6888, 0.2657,
0.4071

■ 30.4669, 0.2772,
0.3775

■ 28.0625, 0.2624,
0.4227

■ 31.6431, 0.2848,
0.3640

■ 27.5923, 0.2610,
0.4384

■ 33.0253, 0.2933,
0.3515

■ 27.2612, 0.2615,
0.4540

■ 34.6232, 0.3024,
0.3401

■ 27.0453, 0.2633,
0.4679

■ 36.4462, 0.3118,
0.3299

■ 38.5028, 0.3214,
0.3207

■ 40.8013, 0.3308,
0.3126

■ 43.3494, 0.3401,
0.3054

■ 46.1546, 0.3492,
0.2991

Harmonies

Analogous

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



29.4848, 0.3250, 0.4284



29.4848, 0.2707, 0.3919



29.4848, 0.2300, 0.3347

Triad

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



29.4848, 0.2707, 0.3919



29.4848, 0.2444, 0.2392



29.4848, 0.4259, 0.3592

Complementary

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



29.4848, 0.2707, 0.3919



14.7365, 0.3934, 0.2760

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.



29.4848, 0.4011, 0.3149



29.4848, 0.2707, 0.3919



29.4848, 0.2920, 0.2492

Square

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



29.4848, 0.2707, 0.3919



29.4848, 0.2165, 0.2496



29.4848, 0.3502, 0.2761



29.4848, 0.4166, 0.4010

Rectangle

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



29.4848, 0.2707, 0.3919



29.4848, 0.2149, 0.2980



29.4848, 0.3502, 0.2761



29.4848, 0.4214, 0.3443

Sweetspot

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



29.4860, 0.2707, 0.3919



60.7108, 0.2984, 0.3449



30.3915, 0.3355, 0.4729



13.5070, 0.2966, 0.3472



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.



29.4860, 0.2707, 0.3919



51.2254, 0.2652, 0.4089



28.1554, 0.2454, 0.3167



7.9619, 0.3040, 0.3384



21.0267, 0.2629, 0.4665



0.4509, 0.2474, 0.4106

Inverse Universe

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



14.7365, 0.3934, 0.2760



21.8234, 0.4219, 0.2668



15.1663, 0.4476, 0.3402



7.1318, 0.3224, 0.3198



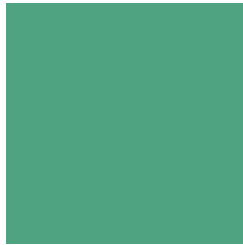
6.3730, 0.5293, 0.2689



0.1432, 0.4395, 0.2195

Previews

White Background



This preview shows how the Yxy color 29.4848, 0.2707, 0.3919 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 29.4848, 0.2707, 0.3919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

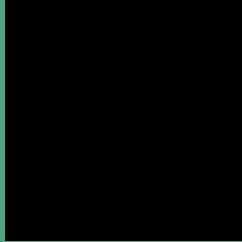
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.4848, 0.2707, 0.3919

Background



This preview shows how black text looks on a background with the Yxy color 29.4848, 0.2707, 0.3919.



This preview shows how white text looks on a background with the Yxy color 29.4848, 0.2707, 0.3919.

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

29.4848, 0.2707, 0.3919

Protanopia

29.2165, 0.3473, 0.3703

Deuteranopia

29.1742, 0.3474, 0.3412



Tritanopia

29.2915, 0.2486, 0.3069

Trichromacy



Original Color

29.4848, 0.2707, 0.3919

Protanomaly

28.8269, 0.3143, 0.3787

Deuteranomaly

28.6295, 0.3144, 0.3591

Tritanomaly

29.2375, 0.2566, 0.3359

Monochromacy



Original Color

29.4848, 0.2707, 0.3919

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

25.4941, 0.2934, 0.3523

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4848, 0.2707, 0.3919 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(80, 163, 129)` looks like.

```
.text, #text, p{  
  color:rgb(80, 163, 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(80, 163, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 163, 129) }
```

Border

The CSS property to change the border of an element to Yxy 29.4848, 0.2707, 0.3919 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(80, 163, 129) }
```

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

```
.border{ border-color:rgb(80, 163, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 163, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 163, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 163, 129);  
box-shadow:4px 4px 4px 4px rgb(80, 163,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4848, 0.2707, 0.3919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 163, 129) }
```

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

```
.background{ background-color: rgb(80, 163,  
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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