

Converting Colors

$Yxy(30.5338, 0.2509, 0.3876)$

Have a look what the booklet for
Yxy(30.5338, 0.2509, 0.3876)
contains.

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Color

Yxy(30.4398, 0.2509, 0.3869)

Conversions

Conversions Part 1

Format	Color
Hex	30A889
RGB	48, 168, 137
RGB Percent	19%, 66%, 54%
CMY	0.8113, 0.3412, 0.4628
CMYK	0.71, 0.00, 0.18, 0.34
HSL	164°, 55%, 42%
HSV	164°, 71%, 66%
XYZ	19.7398, 30.4398, 28.4965
YIQ	128.5860, -61.5690, -35.0810

Conversions

Conversions Part 2

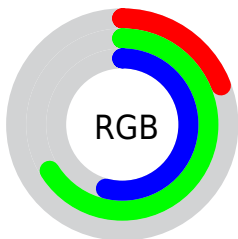
Format	Color
RYB	48, 117, 168
Decimal	3188873
CIELab	62.03, -40.24, 6.61
CIElCh	62, 40.783, 170.676
Yxy	30.4398, 0.2509, 0.3869
Android (android.graphics.Color)	4281378953 (0xFF30A889)
YUV	128.5860, 4.1481, -70.6739
Hunter-Lab	55.1723, -32.6868, 7.9973

Details

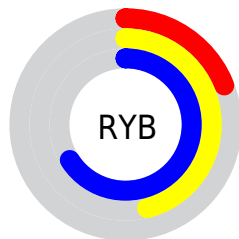
The Yxy color **30.4398, 0.2509, 0.3869** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.0139, 0.4875, 0.2883**, and the grayscale version is **21.8130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.4085, 0.2639, 0.3751**, and **12.9496, 0.2461, 0.4059** is the 20% darker color. If you saturate the color by 10%, you get **29.9839, 0.2484, 0.3965**, and if you desaturate by 10%, it is **31.0579, 0.2553, 0.3775**.

Distribution



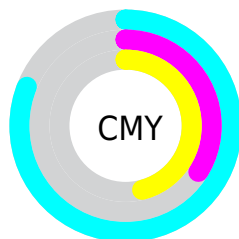
- Red (19%)
- Green (66%)
- Blue (54%)



- Red (19%)
- Yellow (46%)
- Blue (66%)



- Cyan (71%)
- Magenta (0%)
- Yellow (18%)
- Black (34%)





- Cyan (81%)
- Magenta (34%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4398, 0.2509, 0.3869 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 30.4398, 0.2509, 0.3869 by changing the saturation by 10% instead.


 30.4398, 0.2509,
0.3869

 30.4398, 0.2509,
0.3869


303.9491, 0.2843,
0.3550

 20.1726, 0.2417,
0.3960


 60.3570, 0.2636,
0.3745


 12.5206, 0.2293,
0.4084


 80.7758, 0.2682,
0.3701

 7.0993, 0.2119,
0.4264


 105.3474, 0.2721,
0.3665

 3.5243, 0.1856,
0.4545

 134.4560, 0.2753,
0.3635

 1.4112, 0.1057,
0.5259

 168.4861, 0.2780,
0.3609

 0.2249, 0.0000,
1.0000

207.8220, 0.2804,

 0.0000, 0.0000,

0.3587

0.0000

252.8482, 0.2824,
0.3567

■ 30.4398, 0.2509,
0.3869

■ 30.4398, 0.2509,
0.3869

■ 29.9839, 0.2484,
0.3965

■ 31.0579, 0.2553,
0.3775

■ 29.6679, 0.2478,
0.4060

■ 31.8504, 0.2615,
0.3683

■ 29.4731, 0.2484,
0.4142

■ 32.8321, 0.2693,
0.3595

■ 34.0155, 0.2785,
0.3511

■ 35.4119, 0.2887,
0.3434

■ 37.0317, 0.2997,
0.3363

■ 38.8848, 0.3111,
0.3298

■ 40.9804, 0.3229,
0.3240

■ 43.3270, 0.3347,
0.3188

Harmonies

Analogous

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



30.4398, 0.3100, 0.4383



30.4398, 0.2509, 0.3869



30.4398, 0.2110, 0.3185

Triad

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



30.4398, 0.2509, 0.3869



30.4398, 0.2460, 0.2283



30.4398, 0.4436, 0.3738

Complementary

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



30.4398, 0.2509, 0.3869



11.0139, 0.4875, 0.2883

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.



30.4398, 0.4250, 0.3239



30.4398, 0.2509, 0.3869



30.4398, 0.3042, 0.2446

Square

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



30.4398, 0.2509, 0.3869



30.4398, 0.2091, 0.2335



30.4398, 0.3715, 0.2784



30.4398, 0.4229, 0.4197

Rectangle

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



30.4398, 0.2509, 0.3869



30.4398, 0.1987, 0.2792



30.4398, 0.3715, 0.2784



30.4398, 0.4420, 0.3571

Sweetspot

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



30.4410, 0.2509, 0.3869



64.2561, 0.2887, 0.3434



29.9275, 0.3221, 0.5400



13.8514, 0.2859, 0.3454



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



30.4410, 0.2509, 0.3869



54.0283, 0.2478, 0.4024



22.2213, 0.2201, 0.2767



8.4984, 0.3020, 0.3349



22.2665, 0.2481, 0.4133



0.5494, 0.2394, 0.3820

Inverse Universe

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



11.0139, 0.4875, 0.2883



16.6427, 0.5484, 0.2924



13.7195, 0.5149, 0.3665



7.5730, 0.3247, 0.3232



6.4282, 0.5861, 0.3002



0.1645, 0.4962, 0.2507

Previews

White Background



This preview shows how the Yxy color 30.4398, 0.2509, 0.3869 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.4398, 0.2509, 0.3869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

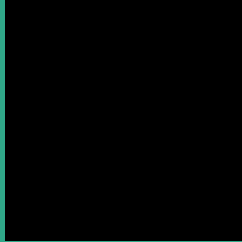
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.4398, 0.2509, 0.3869

Background



This preview shows how black text looks on a background with the Yxy color 30.4398, 0.2509, 0.3869.



This preview shows how white text looks on a background with the Yxy color 30.4398, 0.2509, 0.3869.

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

30.4398, 0.2509, 0.3869

Protanopia

29.7800, 0.3420, 0.3620

Deuteranopia

30.0065, 0.3384, 0.3321



Tritanopia

30.5223, 0.2336, 0.3067

Trichromacy



Original Color

30.4398, 0.2509, 0.3869

Protanomaly

28.8633, 0.2975, 0.3708

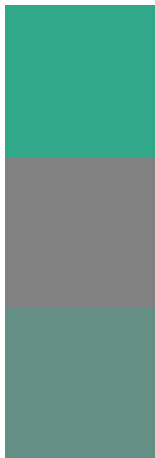
Deuteranomaly

28.8869, 0.2952, 0.3511

Tritanomaly

30.4796, 0.2394, 0.3341

Monochromacy



Original Color

30.4398, 0.2509, 0.3869

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

24.0202, 0.2800, 0.3496

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4398, 0.2509, 0.3869 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(48, 168, 137)` looks like.

```
.text, #text, p{  
  color:rgb(48, 168, 137)  
}
```

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(48, 168, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 168, 137) }
```

Border

The CSS property to change the border of an element to Yxy 30.4398, 0.2509, 0.3869 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(48, 168, 137) }
```

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

```
.border{ border-color:rgb(48, 168, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 168, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 168, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 168, 137);  
box-shadow:4px 4px 4px 4px rgb(48, 168,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4398, 0.2509, 0.3869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 168, 137) }
```

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

```
.background{ background-color: rgb(48, 168,  
137) }
```

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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