

Converting Colors

$Yxy(27.3983, 0.2481, 0.3794)$

Have a look what the booklet for
Yxy(27.3983, 0.2481, 0.3794)
contains.

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Color

Yxy(27.3983, 0.2481, 0.3794)

Conversions

Conversions Part 1

Format	Color
Hex	2CA086
RGB	44, 160, 134
RGB Percent	17%, 63%, 53%
CMY	0.8270, 0.3726, 0.4745
CMYK	0.72, 0.00, 0.16, 0.37
HSL	167°, 57%, 40%
HSV	167°, 72%, 63%
XYZ	17.9165, 27.3983, 26.9000
YIQ	122.3520, -60.7900, -32.6780

Conversions

Conversions Part 2

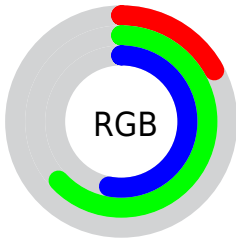
Format	Color
RYB	44, 109, 160
Decimal	2924678
CIELab	59.34, -38.06, 4.40
CIElCh	59, 38.313, 173.400
Yxy	27.3983, 0.2481, 0.3794
Android (android.graphics.Color)	4281114758 (0xFF2CA086)
YUV	122.3520, 5.7425, -68.7147
Hunter-Lab	52.3434, -30.5026, 6.1704

Details

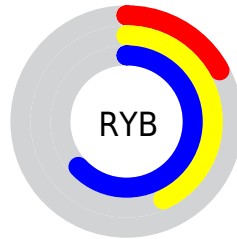
The Yxy color **27.3983, 0.2481, 0.3794** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.7269, 0.4995, 0.2942**, and the grayscale version is **19.5903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3145, 0.2618, 0.3681**, and **11.3652, 0.2439, 0.3982** is the 20% darker color. If you saturate the color by 10%, you get **27.0114, 0.2455, 0.3875**, and if you desaturate by 10%, it is **27.9275, 0.2526, 0.3713**.

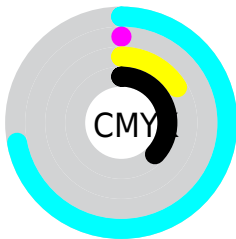
Distribution



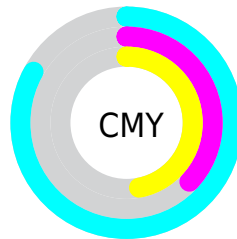
- Red (17%)
- Green (63%)
- Blue (53%)



- Red (17%)
- Yellow (43%)
- Blue (63%)



- Cyan (72%)
- Magenta (0%)
- Yellow (16%)
- Black (37%)




- Cyan (83%)
- Magenta (37%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.3983, 0.2481, 0.3794 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 27.3983, 0.2481, 0.3794 by changing the saturation by 10% instead.


 27.3983, 0.2481,
0.3794


 27.3983, 0.2481,
0.3794


289.5805, 0.2833,
0.3515


 17.8726, 0.2382,
0.3875


 55.5224, 0.2617,
0.3685


 10.8585, 0.2249,
0.3985


 74.8895, 0.2665,
0.3646


 5.9718, 0.2058,
0.4147

 98.3059, 0.2705,
0.3615

 2.8279, 0.1767,
0.4404

 126.1559, 0.2739,
0.3588

 1.0426, 0.0281,
0.5446

 158.8240, 0.2768,
0.3565

 0.0000, 0.0000,
0.0000

196.6945, 0.2793,

0.3546

240.1519, 0.2814,
0.3529

■ 27.3983, 0.2481,
0.3794

■ 27.3983, 0.2481,
0.3794

■ 27.0114, 0.2455,
0.3875

■ 27.9275, 0.2526,
0.3713

■ 26.7467, 0.2447,
0.3957

■ 28.6097, 0.2589,
0.3635

■ 26.5979, 0.2449,
0.4018

■ 29.4585, 0.2669,
0.3559

■ 30.4849, 0.2762,
0.3488

■ 31.6990, 0.2867,
0.3421

■ 33.1101, 0.2979,
0.3359

■ 34.7269, 0.3098,
0.3303

■ 36.5577, 0.3220,
0.3252

■ 38.6101, 0.3343,
0.3207

Harmonies

Analogous

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



27.3983, 0.3047, 0.4320



27.3983, 0.2481, 0.3794



27.3983, 0.2111, 0.3133

Triad

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



27.3983, 0.2481, 0.3794



27.3983, 0.2522, 0.2312



27.3983, 0.4399, 0.3774

Complementary

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



27.3983, 0.2481, 0.3794



9.7269, 0.4995, 0.2942

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.



27.3983, 0.4252, 0.3286



27.3983, 0.2481, 0.3794



27.3983, 0.3104, 0.2489

Square

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



27.3983, 0.2481, 0.3794



27.3983, 0.2139, 0.2344



27.3983, 0.3756, 0.2834



27.3983, 0.4168, 0.4211

Rectangle

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



27.3983, 0.2481, 0.3794



27.3983, 0.2006, 0.2762



27.3983, 0.3756, 0.2834



27.3983, 0.4394, 0.3612

Sweetspot

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



27.3994, 0.2481, 0.3794



57.5603, 0.2867, 0.3421



26.6681, 0.3190, 0.5440



12.4952, 0.2839, 0.3437



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.



27.3994, 0.2481, 0.3794



48.7238, 0.2448, 0.3926



18.8015, 0.2175, 0.2681



7.4840, 0.3017, 0.3341



20.7276, 0.2447, 0.4010



0.3764, 0.2358, 0.3688

Inverse Universe

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



9.7269, 0.4995, 0.2942



14.7793, 0.5620, 0.2992



12.6906, 0.5126, 0.3723



6.6693, 0.3251, 0.3240



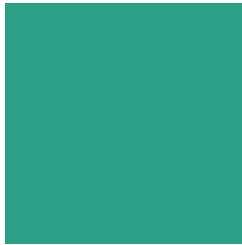
5.9262, 0.5961, 0.3057



0.1116, 0.5007, 0.2532

Previews

White Background



This preview shows how the Yxy color 27.3983, 0.2481, 0.3794 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 27.3983, 0.2481, 0.3794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

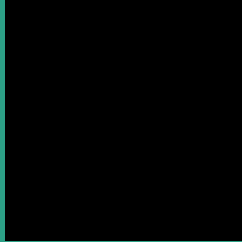
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.3983, 0.2481, 0.3794

Background



This preview shows how black text looks on a background with the Yxy color 27.3983, 0.2481, 0.3794.

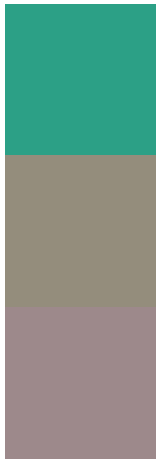


This preview shows how white text looks on a background with the Yxy color 27.3983, 0.2481, 0.3794.

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

27.3983, 0.2481, 0.3794

Protanopia

26.8009, 0.3380, 0.3570

Deuteranopia

26.9235, 0.3330, 0.3259



Tritanopia

27.2940, 0.2327, 0.3057

Trichromacy



Original Color

27.3983, 0.2481, 0.3794

Protanomaly

26.0533, 0.2933, 0.3653

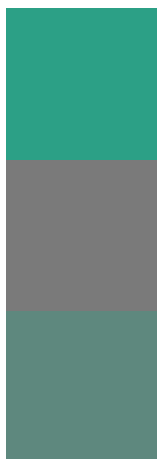
Deuteranomaly

25.7699, 0.2908, 0.3431

Tritanomaly

27.3265, 0.2375, 0.3306

Monochromacy



Original Color

27.3983, 0.2481, 0.3794

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

21.4944, 0.2787, 0.3486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3983, 0.2481, 0.3794 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(44, 160, 134)` looks like.

```
.text, #text, p{  
    color:rgb(44, 160, 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(44, 160, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 160, 134) }
```

Border

The CSS property to change the border of an element to Yxy 27.3983, 0.2481, 0.3794 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(44, 160, 134) }
```

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

```
.border{ border-color:rgb(44, 160, 134) }
```

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

Here you see how a box with a 4 pixel rgb(44, 160, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 160, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 160, 134);  
box-shadow:4px 4px 4px 4px rgb(44, 160,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3983, 0.2481, 0.3794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 160, 134) }
```

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

```
.background{ background-color: rgb(44, 160,  
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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