

Converting Colors

$Y_{xy}(27.0051, 0.2447, 0.3411)$

Have a look what the booklet for
Yxy(27.0051, 0.2447, 0.3411)
contains.

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Color

Yxy(27.0036, 0.2451, 0.3419)

Conversions

Conversions Part 1

Format	Color
Hex	3F9C95
RGB	63, 156, 149
RGB Percent	25%, 61%, 58%
CMY	0.7532, 0.3882, 0.4157
CMYK	0.60, 0.00, 0.05, 0.39
HSL	175°, 43%, 43%
HSV	175°, 60%, 61%
XYZ	19.3582, 27.0036, 32.6191
YIQ	127.3950, -53.1810, -21.8930

Conversions

Conversions Part 2

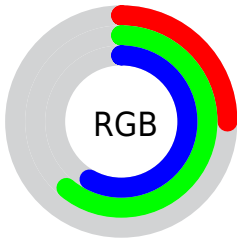
Format	Color
RYB	63, 111, 156
Decimal	4168853
CIELab	58.98, -29.00, -4.55
CIELCh	59, 29.355, 188.921
Yxy	27.0036, 0.2451, 0.3419
Android (android.graphics.Color)	4282358933 (0xFF3F9C95)
YUV	127.3950, 10.6513, -56.4744
Hunter-Lab	51.9650, -24.4431, -0.8417

Details

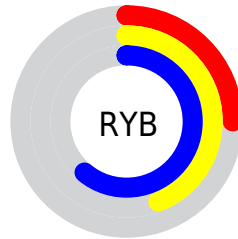
The Yxy color **27.0036, 0.2451, 0.3419** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.0570, 0.4782, 0.3187**, and the grayscale version is **21.3359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.8934, 0.2588, 0.3397**, and **10.7825, 0.2293, 0.3456** is the 20% darker color. If you saturate the color by 10%, you get **26.5250, 0.2390, 0.3444**, and if you desaturate by 10%, it is **27.6301, 0.2530, 0.3395**.

Distribution



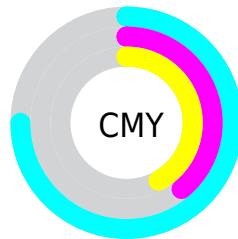
- Red (25%)
- Green (61%)
- Blue (58%)



- Red (25%)
- Yellow (44%)
- Blue (61%)



- Cyan (60%)
- Magenta (0%)
- Yellow (5%)
- Black (39%)




- Cyan (75%)
- Magenta (39%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.0036, 0.2451, 0.3419 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 27.0036, 0.2451, 0.3419 by changing the saturation by 10% instead.


 27.0036, 0.2451,
0.3419


 27.0036, 0.2451,
0.3419


287.6746, 0.2814,
0.3355


 17.5759, 0.2352,
0.3434


 54.8896, 0.2589,
0.3396


 10.6460, 0.2219,
0.3453


 74.1168, 0.2639,
0.3387

 5.8293, 0.2032,
0.3476

 97.3792, 0.2681,
0.3380

 2.7416, 0.1754,
0.3502

 125.0614, 0.2716,
0.3373

 0.9983, 0.0875,
0.3691

 157.5476, 0.2746,
0.3368

 0.0000, 0.0000,
0.0000

195.2222, 0.2772,

0.3363

238.4698, 0.2794,
0.3359

■ 27.0036, 0.2451,
0.3419

■ 27.0036, 0.2451,
0.3419

■ 26.5250, 0.2390,
0.3444

■ 27.6301, 0.2530,
0.3395

■ 26.1786, 0.2347,
0.3469

■ 28.4127, 0.2626,
0.3371

■ 25.9505, 0.2323,
0.3494

■ 29.3624, 0.2737,
0.3348

■ 25.8064, 0.2311,
0.3519

■ 30.4885, 0.2860,
0.3327

■ 25.8019, 0.2311,
0.3519

■ 31.7997, 0.2992,
0.3307

■ 33.3038, 0.3132,
0.3289

■ 35.0085, 0.3276,
0.3273

■ 36.9209, 0.3422,
0.3259

■ 39.0477, 0.3567,
0.3246

Harmonies

Analogous

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



27.0036, 0.2833, 0.3888



27.0036, 0.2451, 0.3419



27.0036, 0.2252, 0.2952

Triad

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



27.0036, 0.2451, 0.3419



27.0036, 0.2881, 0.2566



27.0036, 0.4057, 0.3876

Complementary

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



27.0036, 0.2451, 0.3419



11.0570, 0.4782, 0.3187

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.



27.0036, 0.4089, 0.3505



27.0036, 0.2451, 0.3419



27.0036, 0.3378, 0.2785

Square

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



27.0036, 0.2451, 0.3419



27.0036, 0.2485, 0.2507



27.0036, 0.3834, 0.3117



27.0036, 0.3765, 0.4134

Rectangle

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



27.0036, 0.2451, 0.3419



27.0036, 0.2237, 0.2718



27.0036, 0.3834, 0.3117



27.0036, 0.4100, 0.3760

Sweetspot

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



27.0046, 0.2451, 0.3419



55.6596, 0.2876, 0.3325



25.4665, 0.3095, 0.5132



12.1152, 0.2842, 0.3330



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



27.0046, 0.2451, 0.3419



47.9055, 0.2372, 0.3453



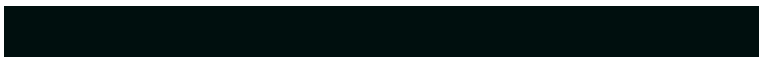
16.2298, 0.2238, 0.2516



7.5008, 0.2998, 0.3307



21.2514, 0.2311, 0.3518



0.3823, 0.2283, 0.3418

Inverse Universe

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



11.0570, 0.4782, 0.3187



16.1954, 0.5398, 0.3188



16.8728, 0.4482, 0.3912



6.6539, 0.3273, 0.3273



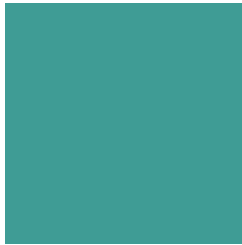
5.8455, 0.6294, 0.3241



0.1066, 0.5823, 0.2981

Previews

White Background



This preview shows how the Yxy color 27.0036, 0.2451, 0.3419 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 27.0036, 0.2451, 0.3419 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 27.0036, 0.2451, 0.3419

Background



This preview shows how black text looks on a background with the Yxy color 27.0036, 0.2451, 0.3419.

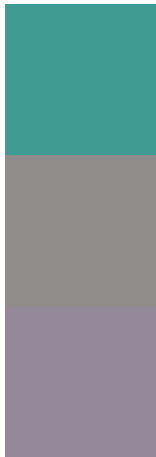


This preview shows how white text looks on a background with the Yxy color 27.0036, 0.2451, 0.3419.

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

27.0036, 0.2451, 0.3419

Protanopia

26.5789, 0.3171, 0.3290

Deuteranopia

26.5808, 0.3096, 0.3037



Tritanopia

26.8377, 0.2369, 0.3057

Trichromacy



Original Color

27.0036, 0.2451, 0.3419

Protanomaly

26.1858, 0.2847, 0.3342

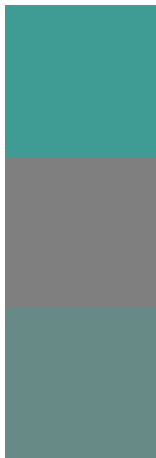
Deuteranomaly

26.0651, 0.2795, 0.3152

Tritanomaly

26.8426, 0.2394, 0.3179

Monochromacy



Original Color

27.0036, 0.2451, 0.3419

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

22.8693, 0.2804, 0.3345

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0036, 0.2451, 0.3419 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(63, 156, 149)` looks like.

```
.text, #text, p{  
    color:rgb(63, 156, 149)  
}
```

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(63, 156, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 156, 149) }
```

Border

The CSS property to change the border of an element to Yxy 27.0036, 0.2451, 0.3419 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(63, 156, 149) }
```

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

```
.border{ border-color:rgb(63, 156, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 156, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 156, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 156, 149);  
box-shadow:4px 4px 4px 4px rgb(63, 156,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0036, 0.2451, 0.3419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 156, 149) }
```

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

```
.background{ background-color: rgb(63, 156,  
149) }
```

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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