

Converting Colors

$Yxy(27.9104, 0.2402, 0.3491)$

Have a look what the booklet for
Yxy(27.9104, 0.2402, 0.3491)
contains.

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Color

Yxy(27.9399, 0.2403, 0.3494)

Conversions

Conversions Part 1

Format	Color
Hex	30A095
RGB	48, 160, 149
RGB Percent	19%, 63%, 58%
CMY	0.8115, 0.3725, 0.4157
CMYK	0.70, 0.00, 0.07, 0.37
HSL	174°, 54%, 41%
HSV	174°, 70%, 63%
XYZ	19.2157, 27.9399, 32.8098
YIQ	125.2580, -63.2210, -27.1650

Conversions

Conversions Part 2

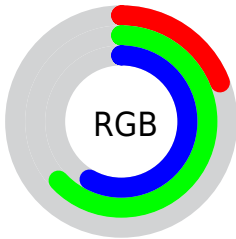
Format	Color
RYB	48, 107, 160
Decimal	3186837
CIELab	59.83, -33.42, -3.34
CIElCh	60, 33.583, 185.700
Yxy	27.9399, 0.2403, 0.3494
Android (android.graphics.Color)	4281376917 (0xFF30A095)
YUV	125.2580, 11.7048, -67.7553
Hunter-Lab	52.8582, -27.6113, 0.1987

Details

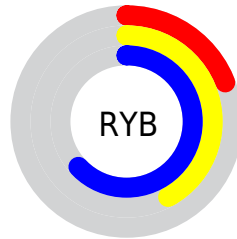
The Yxy color **27.9399, 0.2403, 0.3494** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.9085, 0.5197, 0.3150**, and the grayscale version is **20.5809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.2277, 0.2548, 0.3452**, and **11.6070, 0.2323, 0.3564** is the 20% darker color. If you saturate the color by 10%, you get **27.5693, 0.2363, 0.3527**, and if you desaturate by 10%, it is **28.4537, 0.2462, 0.3461**.

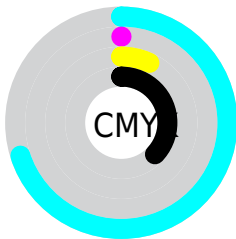
Distribution



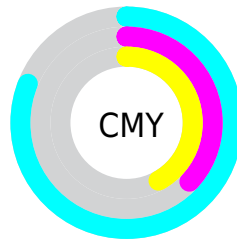
- Red (19%)
- Green (63%)
- Blue (58%)



- Red (19%)
- Yellow (42%)
- Blue (63%)



- Cyan (70%)
- Magenta (0%)
- Yellow (7%)
- Black (37%)





- Cyan (81%)
- Magenta (37%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9399, 0.2403, 0.3494 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 27.9399, 0.2403, 0.3494 by changing the saturation by 10% instead.


 27.9399, 0.2403,
0.3494


 27.9399, 0.2403,
0.3494


292.1796, 0.2790,
0.3389

 18.2804, 0.2298,
0.3521


 56.3885, 0.2550,
0.3455


 11.1515, 0.2158,
0.3555


 75.9463, 0.2603,
0.3441

 6.1688, 0.1963,
0.3600

 99.5723, 0.2647,
0.3429

 2.9480, 0.1674,
0.3660

 127.6510, 0.2685,
0.3419

 1.1046, 0.0777,
0.3921

 160.5667, 0.2717,
0.3410

 0.0000, 0.0000,
0.0000

198.7037, 0.2745,

0.3402

242.4466, 0.2769,
0.3395

■ 27.9399, 0.2403,
0.3494

■ 27.9399, 0.2403,
0.3494

■ 27.5693, 0.2363,
0.3527

■ 28.4537, 0.2462,
0.3461

■ 27.3227, 0.2341,
0.3560

■ 29.1210, 0.2539,
0.3429

■ 27.1638, 0.2332,
0.3593

■ 29.9549, 0.2632,
0.3397

■ 27.1633, 0.2332,
0.3593

■ 30.9662, 0.2741,
0.3368

■ 32.1646, 0.2861,
0.3340

■ 33.5595, 0.2991,
0.3314

■ 35.1592, 0.3128,
0.3290

■ 36.9719, 0.3268,
0.3268

■ 39.0052, 0.3411,
0.3249

Harmonies

Analogous

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



27.9399, 0.2846, 0.4022



27.9399, 0.2403, 0.3494



27.9399, 0.2161, 0.2952

Triad

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



27.9399, 0.2403, 0.3494



27.9399, 0.2792, 0.2467



27.9399, 0.4195, 0.3898

Complementary

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



27.9399, 0.2403, 0.3494



9.9085, 0.5197, 0.3150

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.



27.9399, 0.4200, 0.3475



27.9399, 0.2403, 0.3494



27.9399, 0.3346, 0.2692

Square

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



27.9399, 0.2403, 0.3494



27.9399, 0.2370, 0.2418



27.9399, 0.3880, 0.3048



27.9399, 0.3888, 0.4218

Rectangle

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



27.9399, 0.2403, 0.3494



27.9399, 0.2128, 0.2678



27.9399, 0.3880, 0.3048



27.9399, 0.4234, 0.3763

Sweetspot

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



27.9410, 0.2403, 0.3494



58.0669, 0.2843, 0.3344



26.2929, 0.3089, 0.5443



12.6078, 0.2811, 0.3351



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.



27.9410, 0.2403, 0.3494



49.7790, 0.2348, 0.3546



15.4801, 0.2120, 0.2392



7.4982, 0.3001, 0.3312



21.1634, 0.2331, 0.3590



0.3813, 0.2294, 0.3458

Inverse Universe

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



9.9085, 0.5197, 0.3150



14.9197, 0.5854, 0.3180



15.4870, 0.4828, 0.3950



6.6562, 0.3269, 0.3268



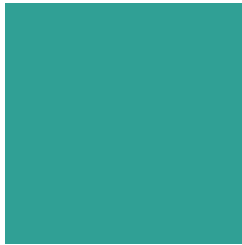
5.8536, 0.6258, 0.3221



0.1074, 0.5674, 0.2899

Previews

White Background



This preview shows how the Yxy color 27.9399, 0.2403, 0.3494 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 27.9399, 0.2403, 0.3494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

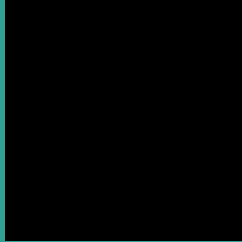
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9399, 0.2403, 0.3494

Background



This preview shows how black text looks on a background with the Yxy color 27.9399, 0.2403, 0.3494.



This preview shows how white text looks on a background with the Yxy color 27.9399, 0.2403, 0.3494.

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

27.9399, 0.2403, 0.3494

Protanopia

27.7120, 0.3210, 0.3355

Deuteranopia

27.4737, 0.3117, 0.3056



Tritanopia

27.9460, 0.2311, 0.3058

Trichromacy



Original Color

27.9399, 0.2403, 0.3494



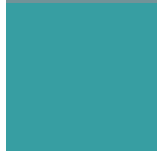
Protanomaly

26.8576, 0.2814, 0.3395



Deuteranomaly

26.7118, 0.2763, 0.3203



Tritanomaly

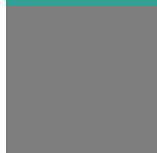
27.8746, 0.2344, 0.3215

Monochromacy



Original Color

27.9399, 0.2403, 0.3494



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

22.4396, 0.2748, 0.3365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9399, 0.2403, 0.3494 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, 160, 149)` looks like.

```
.text, #text, p{  
  color:rgb(48, 160, 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(48, 160, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 160, 149) }
```

Border

The CSS property to change the border of an element to Yxy 27.9399, 0.2403, 0.3494 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, 160, 149) }
```

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

```
.border{ border-color:rgb(48, 160, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 160, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 160, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 160, 149);  
box-shadow:4px 4px 4px 4px rgb(48, 160,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9399, 0.2403, 0.3494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 160, 149) }
```

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

```
.background{ background-color: rgb(48, 160,  
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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