

Converting Colors

$Y_{xy}(27.3160, 0.2442, 0.3233)$

Have a look what the booklet for
Yxy(27.3160, 0.2442, 0.3233)
contains.

Yxy(27.3278, 0.2443, 0.3234)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.3278, 0.2443, 0.3234)

Conversions

Conversions Part 1

Format	Color
Hex	499B9E
RGB	73, 155, 158
RGB Percent	29%, 61%, 62%
CMY	0.7134, 0.3922, 0.3804
CMYK	0.54, 0.02, 0.00, 0.38
HSL	182°, 37%, 45%
HSV	182°, 54%, 62%
XYZ	20.6437, 27.3278, 36.5300
YIQ	130.8240, -49.8350, -16.4510

Conversions

Conversions Part 2

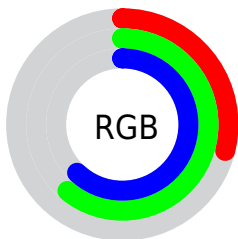
Format	Color
R _Y B	73, 115, 158
Decimal	4823966
CIE Lab	59.28, -23.92, -9.18
CIE LCh	59, 25.619, 201.009
Yxy	27.3278, 0.2443, 0.3234
Android (android.graphics.Color)	4283014046 (0xFF499B9E)
YUV	130.8240, 13.3978, -50.7116
Hunter-Lab	52.2760, -20.9936, -4.8381

Details

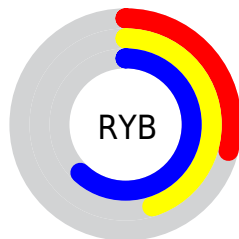
The Yxy color **27.3278, 0.2443, 0.3234** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.9284, 0.4625, 0.3342**, and the grayscale version is **22.6021, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.5644, 0.2579, 0.3249**, and **10.7620, 0.2216, 0.3179** is the 20% darker color. If you saturate the color by 10%, you get **26.6024, 0.2362, 0.3222**, and if you desaturate by 10%, it is **28.2130, 0.2541, 0.3245**.

Distribution



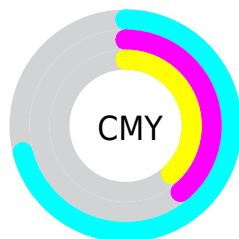
- Red (29%)
- Green (61%)
- Blue (62%)



- Red (29%)
- Yellow (45%)
- Blue (62%)



- Cyan (54%)
- Magenta (2%)
- Yellow (0%)
- Black (38%)



- Cyan (71%)
- Magenta (39%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.3278, 0.2443, 0.3234 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 27.3278, 0.2443, 0.3234 by changing the saturation by 10% instead.


 27.3278, 0.2443,
0.3234


 27.3278, 0.2443,
0.3234


289.2408, 0.2808,
0.3273


 17.8196, 0.2344,
0.3220


 55.4094, 0.2581,
0.3251


 10.8205, 0.2213,
0.3198


 74.7516, 0.2631,
0.3257


 5.9463, 0.2031,
0.3162

 98.1406, 0.2673,
0.3261

 2.8124, 0.1762,
0.3097

 125.9607, 0.2708,
0.3264

 1.0346, 0.1145,
0.3020

 158.5964, 0.2739,
0.3267

 0.0000, 0.0000,
0.0000

196.4320, 0.2765,

0.3269

239.8520, 0.2788,
0.3271

■ 27.3278, 0.2443,
0.3234

■ 27.3278, 0.2443,
0.3234

■ 26.6024, 0.2362,
0.3222

■ 28.2130, 0.2541,
0.3245

■ 26.0215, 0.2300,
0.3211

■ 29.2656, 0.2656,
0.3257

■ 25.5722, 0.2256,
0.3199

■ 30.4967, 0.2784,
0.3267

■ 25.2381, 0.2229,
0.3188

■ 31.9152, 0.2923,
0.3277

■ 25.0607, 0.2217,
0.3181

■ 33.5298, 0.3070,
0.3287

■ 35.3483, 0.3223,
0.3295

■ 37.3783, 0.3379,
0.3303

■ 39.6269, 0.3535,
0.3310

■ 42.1010, 0.3690,
0.3316

Harmonies

Analogous

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



27.3278, 0.2723, 0.3655



27.3278, 0.2443, 0.3234



27.3278, 0.2340, 0.2868

Triad

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



27.3278, 0.2443, 0.3234



27.3278, 0.3085, 0.2715



27.3278, 0.3861, 0.3915

Complementary

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



27.3278, 0.2443, 0.3234



12.9284, 0.4625, 0.3342

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.



27.3278, 0.3983, 0.3623



27.3278, 0.2443, 0.3234



27.3278, 0.3519, 0.2956

Square

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



27.3278, 0.2443, 0.3234



27.3278, 0.2690, 0.2603



27.3278, 0.3857, 0.3279



27.3278, 0.3540, 0.4060

Rectangle

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



27.3278, 0.2443, 0.3234



27.3278, 0.2377, 0.2704



27.3278, 0.3857, 0.3279



27.3278, 0.3927, 0.3829

Sweetspot

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



27.3288, 0.2443, 0.3234



57.2713, 0.2886, 0.3275



26.3904, 0.3030, 0.4912



12.7976, 0.2859, 0.3273



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.



27.3288, 0.2443, 0.3234



48.1411, 0.2352, 0.3221



15.6313, 0.2276, 0.2405



7.4693, 0.2988, 0.3282



20.0861, 0.2217, 0.3182



0.3703, 0.2230, 0.3227

Inverse Universe

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



14.4092, 0.3227, 0.2076



22.4051, 0.3248, 0.1879



20.7926, 0.4214, 0.4014



6.7505, 0.3143, 0.3077



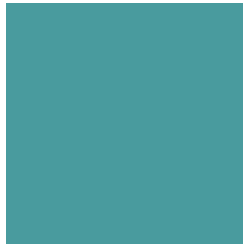
7.6499, 0.3297, 0.1590



0.1379, 0.3259, 0.1569

Previews

White Background



This preview shows how the Yxy color 27.3278, 0.2443, 0.3234 looks on a white background.

Color Contrast Check

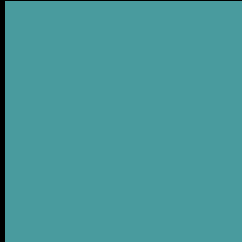
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.3278, 0.2443, 0.3234 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 27.3278, 0.2443, 0.3234

Background



This preview shows how black text looks on a background with the Yxy color 27.3278, 0.2443, 0.3234.

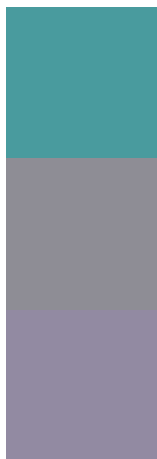


This preview shows how white text looks on a background with the Yxy color 27.3278, 0.2443, 0.3234.

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

27.3278, 0.2443, 0.3234

Protanopia

26.9705, 0.3059, 0.3160

Deuteranopia

26.8966, 0.2976, 0.2914



Tritanopia

27.4009, 0.2405, 0.3077

Trichromacy



Original Color

27.3278, 0.2443, 0.3234

Protanomaly

26.6067, 0.2788, 0.3186

Deuteranomaly

26.4417, 0.2728, 0.3004

Tritanomaly

27.2514, 0.2418, 0.3128

Monochromacy



Original Color

27.3278, 0.2443, 0.3234

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.9943, 0.2810, 0.3271

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3278, 0.2443, 0.3234 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(73, 155, 158)` looks like.

```
.text, #text, p{  
    color:rgb(73, 155, 158)  
}
```

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(73, 155, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 155, 158) }
```

Border

The CSS property to change the border of an element to Yxy 27.3278, 0.2443, 0.3234 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(73, 155, 158) }
```

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

```
.border{ border-color:rgb(73, 155, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 155, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 155, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 155, 158);  
box-shadow:4px 4px 4px 4px rgb(73, 155,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3278, 0.2443, 0.3234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 155, 158) }
```

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

```
.background{ background-color: rgb(73, 155,  
158) }
```

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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