

Converting Colors

$Yxy(27.3599, 0.2415, 0.3033)$

Have a look what the booklet for
Yxy(27.3599, 0.2415, 0.3033)
contains.

Yxy(27.3151, 0.2412, 0.3026)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$\text{Yxy}(27.3151, 0.2412, 0.3026)$

Conversions

Conversions Part 1

Format	Color
Hex	5099A8
RGB	80, 153, 168
RGB Percent	31%, 60%, 66%
CMY	0.6860, 0.4000, 0.3411
CMYK	0.52, 0.09, 0.00, 0.34
HSL	190°, 35%, 49%
HSV	190°, 52%, 66%
XYZ	21.7726, 27.3151, 41.1803
YIQ	132.8830, -48.3230, -10.8110

Conversions

Conversions Part 2

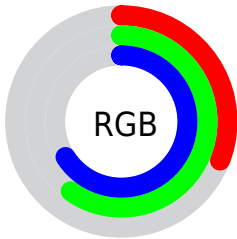
Format	Color
R _Y B	80, 120, 168
Decimal	5282216
CIE Lab	59.26, -18.48, -14.87
CIE LCh	59, 23.721, 218.813
Yxy	27.3151, 0.2412, 0.3026
Android (android.graphics.Color)	4283472296 (0xFF5099A8)
YUV	132.8830, 17.3127, -46.3784
Hunter-Lab	52.2638, -17.1003, -10.1317

Details

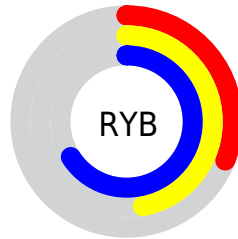
The Yxy color **27.3151, 0.2412, 0.3026** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.1084, 0.4468, 0.3522**, and the grayscale version is **23.3660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.1876, 0.2558, 0.3083**, and **10.8571, 0.2177, 0.2924** is the 20% darker color. If you saturate the color by 10%, you get **25.7448, 0.2312, 0.2967**, and if you desaturate by 10%, it is **29.0930, 0.2528, 0.3083**.

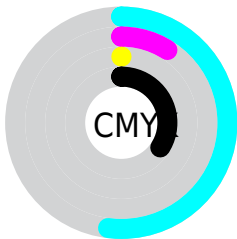
Distribution



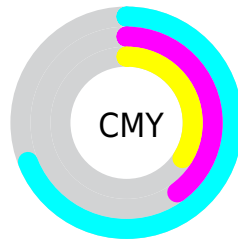
- Red (31%)
- Green (60%)
- Blue (66%)



- Red (31%)
- Yellow (47%)
- Blue (66%)



- Cyan (52%)
- Magenta (9%)
- Yellow (0%)
- Black (34%)



- Cyan (69%)
- Magenta (40%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.3151, 0.2412, 0.3026 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 27.3151, 0.2412, 0.3026 by changing the saturation by 10% instead.

■ 27.3151, 0.2412,
0.3026

■ 27.3151, 0.2412,
0.3026

■ 289.1796, 0.2791,
0.3178

■ 17.8100, 0.2310,
0.2981

■ 55.3891, 0.2555,
0.3087

■ 10.8137, 0.2176,
0.2917

■ 74.7268, 0.2607,
0.3108

■ 5.9417, 0.1991,
0.2823

■ 98.1108, 0.2651,
0.3125

■ 2.8097, 0.1721,
0.2672

■ 125.9255, 0.2688,
0.3139

■ 1.0332, 0.1226,
0.2419

■ 158.5554, 0.2719,
0.3151

■ 0.0000, 0.0000,
0.0000

196.3847, 0.2746,

0.3161

239.7980, 0.2770,
0.3170

■ 27.3151, 0.2412,
0.3026

■ 27.3151, 0.2412,
0.3026

■ 25.7448, 0.2312,
0.2967

■ 29.0930, 0.2528,
0.3083

■ 24.3650, 0.2230,
0.2907

■ 31.0880, 0.2656,
0.3138

■ 23.1606, 0.2166,
0.2846

■ 33.3127, 0.2795,
0.3189

■ 22.1125, 0.2121,
0.2786

■ 35.7777, 0.2941,
0.3237

■ 21.3837, 0.2094,
0.2740

■ 38.4930, 0.3092,
0.3280

■ 41.4679, 0.3243,
0.3320

■ 44.7111, 0.3395,
0.3355

■ 48.2312, 0.3544,
0.3387

■ 52.0361, 0.3688,
0.3415

Harmonies

Analogous

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



27.3151, 0.2580, 0.3399



27.3151, 0.2412, 0.3026



27.3151, 0.2421, 0.2760

Triad

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



27.3151, 0.2412, 0.3026



27.3151, 0.3331, 0.2876



27.3151, 0.3650, 0.3972

Complementary

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



27.3151, 0.2412, 0.3026



17.1084, 0.4468, 0.3522

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.



27.3151, 0.3879, 0.3774



27.3151, 0.2412, 0.3026



27.3151, 0.3694, 0.3153

Square

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



27.3151, 0.2412, 0.3026



27.3151, 0.2930, 0.2695



27.3151, 0.3900, 0.3474



27.3151, 0.3286, 0.3980

Rectangle

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



27.3151, 0.2412, 0.3026



27.3151, 0.2525, 0.2668



27.3151, 0.3900, 0.3474



27.3151, 0.3746, 0.3923

Sweetspot

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



27.3161, 0.2412, 0.3026



63.0888, 0.2883, 0.3218



30.5424, 0.2955, 0.4659



13.5597, 0.2854, 0.3209



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.



27.3161, 0.2412, 0.3026



46.2276, 0.2296, 0.2956



15.5554, 0.2249, 0.2201



8.3107, 0.2987, 0.3250



16.2091, 0.2096, 0.2746



0.4502, 0.2151, 0.2944

Inverse Universe

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



16.3735, 0.3388, 0.2239



24.9841, 0.3463, 0.2051



27.2863, 0.4088, 0.4164



7.6443, 0.3162, 0.3105



7.7074, 0.3685, 0.1804



0.1932, 0.3504, 0.1704

Previews

White Background



This preview shows how the Yxy color 27.3151, 0.2412, 0.3026 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 27.3151, 0.2412, 0.3026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

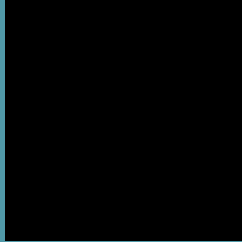
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.3151, 0.2412, 0.3026

Background



This preview shows how black text looks on a background with the Yxy color 27.3151, 0.2412, 0.3026.



This preview shows how white text looks on a background with the Yxy color 27.3151, 0.2412, 0.3026.

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

27.3151, 0.2412, 0.3026

Protanopia

27.0768, 0.2924, 0.2986

Deuteranopia

27.0682, 0.2844, 0.2792



Tritanopia

27.1979, 0.2419, 0.3060

Trichromacy



Original Color

27.3151, 0.2412, 0.3026

Protanomaly

26.7467, 0.2705, 0.2989

Deuteranomaly

26.7707, 0.2656, 0.2863

Tritanomaly

27.2348, 0.2412, 0.3043

Monochromacy



Original Color

27.3151, 0.2412, 0.3026

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.4089, 0.2804, 0.3183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3151, 0.2412, 0.3026 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(80, 153, 168)` looks like.

```
.text, #text, p{  
    color:rgb(80, 153, 168)  
}
```

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(80, 153, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 153, 168) }
```

Border

The CSS property to change the border of an element to Yxy 27.3151, 0.2412, 0.3026 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(80, 153, 168) }
```

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

```
.border{ border-color:rgb(80, 153, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 153, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 153, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 153, 168);  
box-shadow:4px 4px 4px 4px rgb(80, 153,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3151, 0.2412, 0.3026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 153, 168) }
```

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

```
.background{ background-color: rgb(80, 153,  
168) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor