

Converting Colors

$Yxy(27.0277, 0.2460, 0.3138)$

Have a look what the booklet for
Yxy(27.0277, 0.2460, 0.3138)
contains.

Yxy(27.1050, 0.2463, 0.3146)	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

$Y_{xy}(27.1050, 0.2463, 0.3146)$

Conversions

Conversions Part 1

Format	Color
Hex	5199A1
RGB	81, 153, 161
RGB Percent	32%, 60%, 63%
CMY	0.6822, 0.4000, 0.3686
CMYK	0.50, 0.05, 0.00, 0.37
HSL	186°, 33%, 47%
HSV	186°, 50%, 63%
XYZ	21.2205, 27.1050, 37.8315
YIQ	132.3840, -45.4800, -12.7760

Conversions

Conversions Part 2

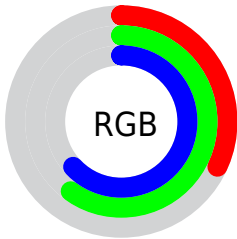
Format	Color
R _Y B	81, 119, 161
Decimal	5347745
CIE Lab	59.07, -20.26, -11.17
CIE LCh	59, 23.133, 208.871
Yxy	27.1050, 0.2463, 0.3146
Android (android.graphics.Color)	4283537825 (0xFF5199A1)
YUV	132.3840, 14.1077, -45.0638
Hunter-Lab	52.0625, -18.3533, -6.6398

Details

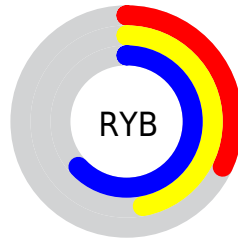
The Yxy color **27.1050, 0.2463, 0.3146** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.3257, 0.4411, 0.3421**, and the grayscale version is **23.1852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3039, 0.2597, 0.3184**, and **10.7670, 0.2237, 0.3075** is the 20% darker color. If you saturate the color by 10%, you get **25.9525, 0.2367, 0.3113**, and if you desaturate by 10%, it is **28.4354, 0.2575, 0.3178**.

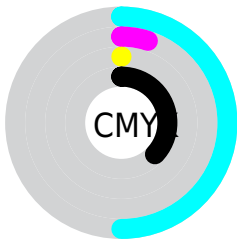
Distribution



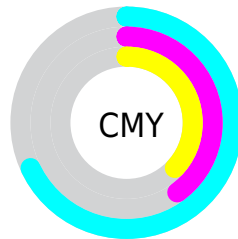
- Red (32%)
- Green (60%)
- Blue (63%)



- Red (32%)
- Yellow (47%)
- Blue (63%)



- Cyan (50%)
- Magenta (5%)
- Yellow (0%)
- Black (37%)





- Cyan (68%)
- Magenta (40%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1050, 0.2463, 0.3146 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 27.1050, 0.2463, 0.3146 by changing the saturation by 10% instead.


 27.1050, 0.2463,
0.3146


 27.1050, 0.2463,
0.3146


288.1652, 0.2817,
0.3232


 17.6521, 0.2367,
0.3119


 55.0523, 0.2597,
0.3181

 10.7005, 0.2240,
0.3079


 74.3155, 0.2646,
0.3193


 5.8658, 0.2062,
0.3019

 97.6176, 0.2686,
0.3203

 2.7637, 0.1801,
0.2917

 125.3430, 0.2721,
0.3211

 1.0096, 0.1257,
0.2758

 157.8760, 0.2750,
0.3218

 0.0000, 0.0000,
0.0000

195.6011, 0.2775,

0.3223

238.9027, 0.2798,
0.3228

■ 27.1050, 0.2463,
0.3146

■ 27.1050, 0.2463,
0.3146

■ 25.9525, 0.2367,
0.3113

■ 28.4354, 0.2575,
0.3178

■ 24.9627, 0.2289,
0.3079

■ 29.9514, 0.2700,
0.3209

■ 24.1227, 0.2230,
0.3044

■ 31.6643, 0.2837,
0.3239

■ 23.4166, 0.2188,
0.3011

■ 33.5832, 0.2982,
0.3266

■ 22.8083, 0.2161,
0.2977

■ 35.7168, 0.3132,
0.3291

■ 22.7880, 0.2160,
0.2976

■ 38.0734, 0.3285,
0.3314

■ 40.6606, 0.3439,
0.3334

■ 43.4859, 0.3591,
0.3352

■ 46.5562, 0.3740,
0.3368

Harmonies

Analogous

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



27.1050, 0.2681, 0.3523



27.1050, 0.2463, 0.3146



27.1050, 0.2413, 0.2843

Triad

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



27.1050, 0.2463, 0.3146



27.1050, 0.3195, 0.2813



27.1050, 0.3732, 0.3910

Complementary

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



27.1050, 0.2463, 0.3146



15.3257, 0.4411, 0.3421

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.



27.1050, 0.3894, 0.3675



27.1050, 0.2463, 0.3146



27.1050, 0.3576, 0.3059

Square

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



27.1050, 0.2463, 0.3146



27.1050, 0.2816, 0.2676



27.1050, 0.3838, 0.3366



27.1050, 0.3410, 0.3986

Rectangle

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



27.1050, 0.2463, 0.3146



27.1050, 0.2478, 0.2718



27.1050, 0.3838, 0.3366



27.1050, 0.3808, 0.3845

Sweetspot

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



27.1060, 0.2463, 0.3146



58.1653, 0.2900, 0.3251



27.9636, 0.3000, 0.4674



12.6105, 0.2871, 0.3245



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.



27.1060, 0.2463, 0.3146



46.2002, 0.2355, 0.3108



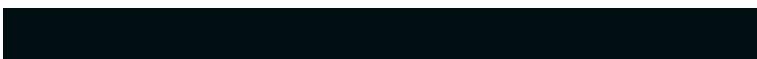
16.1416, 0.2318, 0.2378



7.8895, 0.2988, 0.3267



18.2335, 0.2161, 0.2979



0.4156, 0.2195, 0.3101

Inverse Universe

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



15.7691, 0.3290, 0.2218



23.8649, 0.3335, 0.2015



23.8778, 0.4071, 0.4044



7.1899, 0.3152, 0.3090



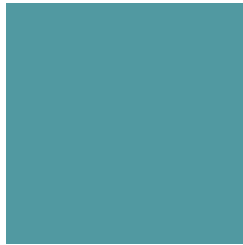
7.6848, 0.3473, 0.1687



0.1648, 0.3366, 0.1628

Previews

White Background



This preview shows how the Yxy color 27.1050, 0.2463, 0.3146 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 27.1050, 0.2463, 0.3146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

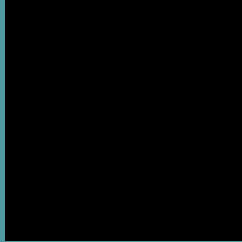
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1050, 0.2463, 0.3146

Background



This preview shows how black text looks on a background with the Yxy color 27.1050, 0.2463, 0.3146.

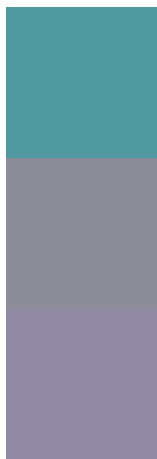


This preview shows how white text looks on a background with the Yxy color 27.1050, 0.2463, 0.3146.

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

27.1050, 0.2463, 0.3146

Protanopia

26.7188, 0.3010, 0.3080

Deuteranopia

26.7866, 0.2937, 0.2882



Tritanopia

26.9669, 0.2439, 0.3060

Trichromacy



Original Color

27.1050, 0.2463, 0.3146

Protanomaly

26.5730, 0.2771, 0.3103

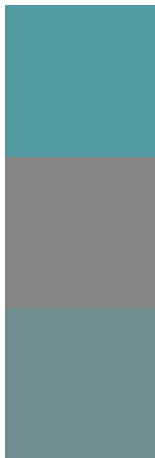
Deuteranomaly

26.3542, 0.2728, 0.2957

Tritanomaly

26.9306, 0.2446, 0.3077

Monochromacy



Original Color

27.1050, 0.2463, 0.3146

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

24.2500, 0.2821, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1050, 0.2463, 0.3146 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(81, 153, 161)` looks like.

```
.text, #text, p{  
    color:rgb(81, 153, 161)  
}
```

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(81, 153, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 153, 161) }
```

Border

The CSS property to change the border of an element to Yxy 27.1050, 0.2463, 0.3146 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(81, 153, 161) }
```

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

```
.border{ border-color:rgb(81, 153, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 153, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 153, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 153, 161);  
box-shadow:4px 4px 4px 4px rgb(81, 153,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1050, 0.2463, 0.3146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 153, 161) }
```

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

```
.background{ background-color: rgb(81, 153,  
161) }
```

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