

Converting Colors

$Yxy(24.9227, 0.2368, 0.3704)$

Have a look what the booklet for
Yxy(24.9227, 0.2368, 0.3704)
contains.

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Color

Yxy(24.8647, 0.2366, 0.3695)

Conversions

Conversions Part 1

Format	Color
Hex	059A86
RGB	5, 154, 134
RGB Percent	2%, 60%, 53%
CMY	0.9797, 0.3961, 0.4746
CMYK	0.97, 0.00, 0.13, 0.40
HSL	172°, 94%, 31%
HSV	172°, 97%, 60%
XYZ	15.9215, 24.8647, 26.5066
YIQ	107.1690, -82.3840, -37.8080

Conversions

Conversions Part 2

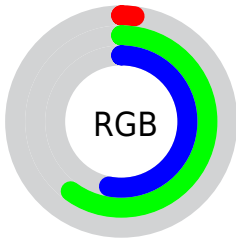
Format	Color
RYB	5, 85, 154
Decimal	367238
CIELab	56.94, -38.79, 0.88
CIElCh	57, 38.796, 178.695
Yxy	24.8647, 0.2366, 0.3695
Android (android.graphics.Color)	4278557318 (0xFF059A86)
YUV	107.1690, 13.2277, -89.6022
Hunter-Lab	49.8645, -30.2688, 3.3882

Details

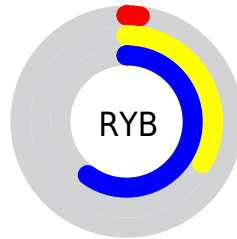
The Yxy color **24.8647, 0.2366, 0.3695** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.0534, 0.6111, 0.3178**, and the grayscale version is **14.7464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.3624, 0.2528, 0.3607**, and **10.1586, 0.2388, 0.3795** is the 20% darker color. If you saturate the color by 10%, you get **24.8129, 0.2364, 0.3711**, and if you desaturate by 10%, it is **25.0454, 0.2375, 0.3649**.

Distribution



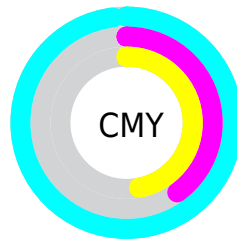
- Red (2%)
- Green (60%)
- Blue (53%)



- Red (2%)
- Yellow (33%)
- Blue (60%)



- Cyan (97%)
- Magenta (0%)
- Yellow (13%)
- Black (40%)



- Cyan (98%)
- Magenta (40%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8647, 0.2366, 0.3695 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 24.8647, 0.2366, 0.3695 by changing the saturation by 10% instead.


 24.8647, 0.2366,
0.3695


 24.8647, 0.2366,
0.3695


277.1635, 0.2783,
0.3472


 15.9763, 0.2249,
0.3758


 51.4376, 0.2527,
0.3609

 9.5074, 0.2090,
0.3845


 69.8910, 0.2585,
0.3578


 5.0736, 0.1863,
0.3969

 92.3014, 0.2632,
0.3552

 2.2905, 0.1518,
0.4160

 119.0532, 0.2672,
0.3531

 0.7687, 0.0000,
0.4979

 150.5310, 0.2706,
0.3513

 0.0000, 0.0000,
0.0000

 187.1190, 0.2735,

0.3497

229.2017, 0.2761,
0.3484

■ 24.8647, 0.2366,
0.3695

■ 24.8647, 0.2366,
0.3695

■ 24.8129, 0.2364,
0.3711

■ 25.0454, 0.2375,
0.3649

■ 25.3247, 0.2401,
0.3603

■ 25.7243, 0.2445,
0.3556

■ 26.2578, 0.2508,
0.3511

■ 26.9371, 0.2588,
0.3466

■ 27.7726, 0.2683,
0.3424

■ 28.7738, 0.2792,
0.3384

■ 29.9495, 0.2912,
0.3346

■ 31.3079, 0.3039,
0.3311

Harmonies

Analogous

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



24.8647, 0.2926, 0.4301



24.8647, 0.2366, 0.3695



24.8647, 0.2029, 0.3010

Triad

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



24.8647, 0.2366, 0.3695



24.8647, 0.2589, 0.2292



24.8647, 0.4439, 0.3876

Complementary

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



24.8647, 0.2366, 0.3695



7.0534, 0.6111, 0.3178

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.



24.8647, 0.4361, 0.3371



24.8647, 0.2366, 0.3695



24.8647, 0.3222, 0.2510

Square

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



24.8647, 0.2366, 0.3695



24.8647, 0.2151, 0.2282



24.8647, 0.3895, 0.2891



24.8647, 0.4134, 0.4313

Rectangle

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



24.8647, 0.2366, 0.3695



24.8647, 0.1953, 0.2652



24.8647, 0.3895, 0.2891



24.8647, 0.4459, 0.3709

Sweetspot

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



24.8656, 0.2366, 0.3695



51.7024, 0.2759, 0.3395



23.3628, 0.3055, 0.5924



11.5382, 0.2716, 0.3411



78.7412, 0.3127, 0.3290



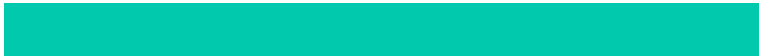
13.2868, 0.3127, 0.3290

Same Dimension

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



24.8656, 0.2366, 0.3695



45.0531, 0.2367, 0.3719



11.8516, 0.1942, 0.2163



7.0123, 0.3006, 0.3320



20.2192, 0.2363, 0.3707



0.3057, 0.2306, 0.3502

Inverse Universe

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



7.0534, 0.6111, 0.3178



12.5596, 0.6235, 0.3208



9.8336, 0.5720, 0.3792



6.2355, 0.3263, 0.3260



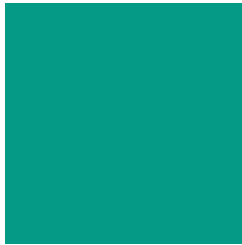
5.6438, 0.6186, 0.3182



0.0874, 0.5430, 0.2765

Previews

White Background



This preview shows how the Yxy color 24.8647, 0.2366, 0.3695 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 24.8647, 0.2366, 0.3695 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 24.8647, 0.2366, 0.3695

Background



This preview shows how black text looks on a background with the Yxy color 24.8647, 0.2366, 0.3695.

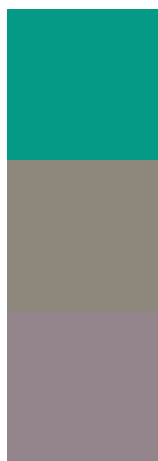


This preview shows how white text looks on a background with the Yxy color 24.8647, 0.2366, 0.3695.

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

24.8647, 0.2366, 0.3695

Protanopia

24.4459, 0.3313, 0.3478

Deuteranopia

24.6625, 0.3236, 0.3176



Tritanopia

24.9136, 0.2261, 0.3064

Trichromacy



Original Color

24.8647, 0.2366, 0.3695



Protanomaly

23.1798, 0.2762, 0.3560



Deuteranomaly

23.0491, 0.2717, 0.3346



Tritanomaly

24.6614, 0.2285, 0.3268

Monochromacy



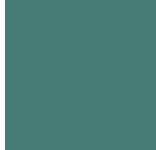
Original Color

24.8647, 0.2366, 0.3695



Achromatopsia

14.7027, 0.3127, 0.3290



Achromatomaly

17.0017, 0.2622, 0.3443

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8647, 0.2366, 0.3695 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(5, 154, 134)` looks like.

```
.text, #text, p{  
    color:rgb(5, 154, 134)  
}
```

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(5, 154, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 154, 134) }
```

Border

The CSS property to change the border of an element to Yxy 24.8647, 0.2366, 0.3695 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(5, 154, 134) }
```

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

```
.border{ border-color:rgb(5, 154, 134) }
```

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

Here you see how a box with a 4 pixel rgb(5, 154, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 154, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 154, 134);  
box-shadow:4px 4px 4px 4px rgb(5, 154,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8647, 0.2366, 0.3695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 154, 134) }
```

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

```
.background{ background-color: rgb(5, 154,  
134) }
```

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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