

Converting Colors

$Yxy(24.9979, 0.2329, 0.3066)$

Have a look what the booklet for
Yxy(24.9979, 0.2329, 0.3066)
contains.

Yxy(24.9979, 0.2329, 0.3066)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.9979, 0.2329, 0.3066)

Conversions

Conversions Part 1

Format	Color
Hex	3B95A1
RGB	59, 149, 161
RGB Percent	23%, 58%, 63%
CMY	0.7682, 0.4157, 0.3686
CMYK	0.63, 0.07, 0.00, 0.37
HSL	187°, 46%, 43%
HSV	187°, 63%, 63%
XYZ	18.9889, 24.9979, 37.5458
YIQ	123.4580, -57.4920, -15.3480

Conversions

Conversions Part 2

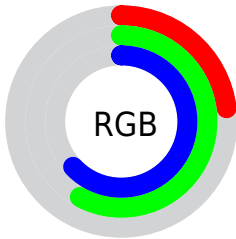
Format	Color
R_{YB}	59, 107, 161
Decimal	3904929
CIE _{Lab}	57.07, -22.67, -14.26
CIE _{LCh}	57, 26.786, 212.165
Yxy	24.9979, 0.2329, 0.3066
Android (android.graphics.Color)	4282095009 (0xFF3B95A1)
YUV	123.4580, 18.5082, -56.5297
Hunter-Lab	49.9979, -19.7029, -9.5251

Details

The Yxy color **24.9979, 0.2329, 0.3066** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.4166, 0.4961, 0.3470**, and the grayscale version is **19.9277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5213, 0.2491, 0.3113**, and **9.8395, 0.2163, 0.2985** is the 20% darker color. If you saturate the color by 10%, you get **23.9837, 0.2255, 0.3026**, and if you desaturate by 10%, it is **26.1756, 0.2421, 0.3106**.

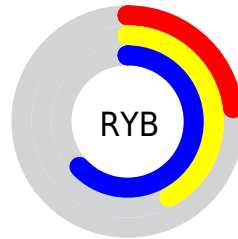
Distribution



Red (23%)

Green (58%)

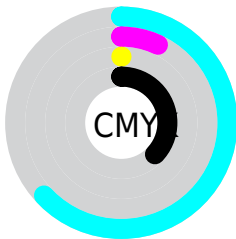
Blue (63%)



Red (23%)

Yellow (42%)

Blue (63%)

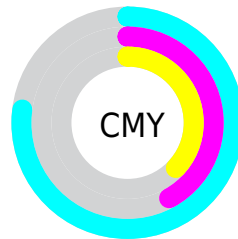


Cyan (63%)

Magenta (7%)

Yellow (0%)

Black (37%)



Cyan (77%)


Magenta (42%)

Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9979, 0.2329, 0.3066 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 24.9979, 0.2329, 0.3066 by changing the saturation by 10% instead.

 24.9979, 0.2329,
0.3066


 24.9979, 0.2329,
0.3066


277.8275, 0.2757,
0.3201


 16.0755, 0.2213,
0.3023

 51.6538, 0.2491,
0.3121


 9.5776, 0.2058,
0.2962


 70.1561, 0.2550,
0.3140


 5.1198, 0.1844,
0.2868

 92.6205, 0.2599,
0.3155

 2.3177, 0.1531,
0.2708

 119.4314, 0.2641,
0.3167

 0.7831, 0.0611,
0.2508

 150.9731, 0.2676,
0.3178

 0.0000, 0.0000,
0.0000

187.6301, 0.2707,

0.3187

229.7868, 0.2733,
0.3194

■ 24.9979, 0.2329,
0.3066

■ 24.9979, 0.2329,
0.3066

■ 23.9837, 0.2255,
0.3026

■ 26.1756, 0.2421,
0.3106

■ 23.1156, 0.2200,
0.2985

■ 27.5267, 0.2529,
0.3145

■ 22.3773, 0.2163,
0.2945

■ 29.0634, 0.2651,
0.3182

■ 21.9262, 0.2144,
0.2918

■ 30.7961, 0.2785,
0.3217

■ 32.7344, 0.2928,
0.3250

■ 34.8871, 0.3077,
0.3281

■ 37.2627, 0.3229,
0.3308

■ 39.8691, 0.3382,
0.3333

■ 42.7136, 0.3534,
0.3355

Harmonies

Analogous

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



24.9979, 0.2561, 0.3517



24.9979, 0.2329, 0.3066



24.9979, 0.2295, 0.2727

Triad

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



24.9979, 0.2329, 0.3066



24.9979, 0.3257, 0.2757



24.9979, 0.3806, 0.4043

Complementary

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



24.9979, 0.2329, 0.3066



12.4166, 0.4961, 0.3470

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.



24.9979, 0.4029, 0.3772



24.9979, 0.2329, 0.3066



24.9979, 0.3705, 0.3052

Square

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



24.9979, 0.2329, 0.3066



24.9979, 0.2802, 0.2581



24.9979, 0.3996, 0.3413



24.9979, 0.3407, 0.4119

Rectangle

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



24.9979, 0.2329, 0.3066



24.9979, 0.2384, 0.2598



24.9979, 0.3996, 0.3413



24.9979, 0.3905, 0.3969

Sweetspot

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



24.9988, 0.2329, 0.3066



56.4679, 0.2841, 0.3231



26.8804, 0.2967, 0.5082



12.1849, 0.2803, 0.3222



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.



24.9988, 0.2329, 0.3066



42.2748, 0.2230, 0.3009



12.2732, 0.2093, 0.2034



7.8680, 0.2988, 0.3263



17.5485, 0.2145, 0.2921



0.4063, 0.2185, 0.3067

Inverse Universe

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



12.8862, 0.3371, 0.2002



19.6004, 0.3434, 0.1829



21.8003, 0.4365, 0.4240



7.1877, 0.3155, 0.3094



7.6157, 0.3524, 0.1715



0.1638, 0.3396, 0.1644

Previews

White Background



This preview shows how the Yxy color 24.9979, 0.2329, 0.3066 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 24.9979, 0.2329, 0.3066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

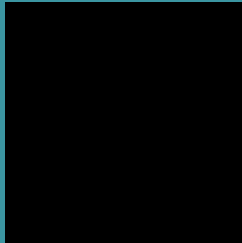
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.9979, 0.2329, 0.3066

Background



This preview shows how black text looks on a background with the Yxy color 24.9979, 0.2329, 0.3066.

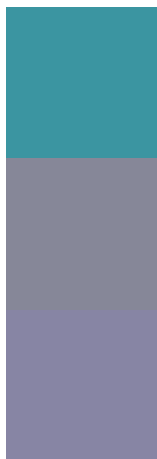


This preview shows how white text looks on a background with the Yxy color 24.9979, 0.2329, 0.3066.

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

24.9979, 0.2329, 0.3066

Protanopia

24.6633, 0.2946, 0.3007

Deuteranopia

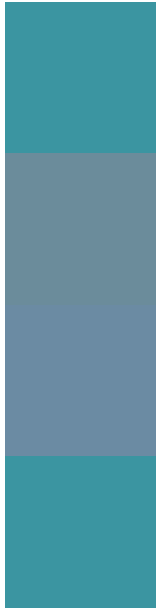
24.6063, 0.2842, 0.2789



Tritanopia

24.9979, 0.2329, 0.3066

Trichromacy



Original Color

24.9979, 0.2329, 0.3066

Protanomaly

24.2485, 0.2664, 0.3025

Deuteranomaly

24.2354, 0.2598, 0.2874

Tritanomaly

24.9979, 0.2329, 0.3066

Monochromacy



Original Color

24.9979, 0.2329, 0.3066

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

21.0180, 0.2738, 0.3194

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9979, 0.2329, 0.3066 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(59, 149, 161)` looks like.

```
.text, #text, p{  
    color:rgb(59, 149, 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(59, 149, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 149, 161) }
```

Border

The CSS property to change the border of an element to Yxy 24.9979, 0.2329, 0.3066 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(59, 149, 161) }
```

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

```
.border{ border-color:rgb(59, 149, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 149, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 149, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 149, 161);  
box-shadow:4px 4px 4px 4px rgb(59, 149,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9979, 0.2329, 0.3066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 149, 161) }
```

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

```
.background{ background-color: rgb(59, 149,  
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