

# Converting Colors

$Y_{xy}(34.0125, 0.2639, 0.3412)$

Have a look what the booklet for  
Yxy(34.0125, 0.2639, 0.3412)  
contains.

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# Color

**Yxy(34.1829, 0.2639, 0.3420)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66AAA2
RGB	102, 170, 162
RGB Percent	40%, 67%, 64%
CMY	0.5999, 0.3333, 0.3647
CMYK	0.40, 0.00, 0.05, 0.33
HSL	173°, 29%, 53%
HSV	173°, 40%, 67%
XYZ	26.3768, 34.1829, 39.3903
YIQ	148.7560, -37.9600, -16.9040

# Conversions

## Conversions Part 2

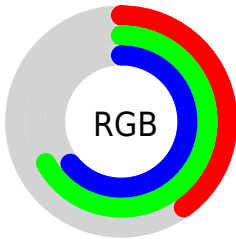
<b>Format</b>	<b>Color</b>
<b>RYB</b>	102, 138, 170
Decimal	6728354
CIELab	65.11, -23.47, -2.67
CIELCh	65, 23.617, 186.486
Yxy	34.1829, 0.2639, 0.3420
Android (android.graphics.Color)	4284918434 (0xFF66AAA2)
YUV	148.7560, 6.5293, -41.0050
Hunter-Lab	58.4661, -21.7861, 0.9810

# Details

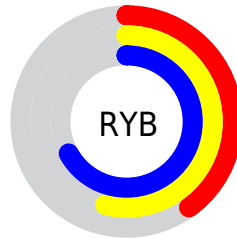
The Yxy color **34.1829, 0.2639, 0.3420** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.1778, 0.3990, 0.3169**, and the grayscale version is **29.9329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.4704, 0.2732, 0.3399**, and **14.7110, 0.2487, 0.3481** is the 20% darker color. If you saturate the color by 10%, you get **33.2200, 0.2547, 0.3458**, and if you desaturate by 10%, it is **35.3533, 0.2746, 0.3384**.

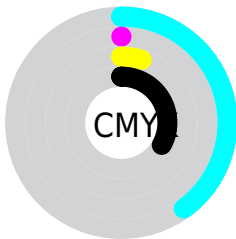
# Distribution



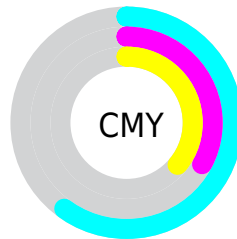
- Red (40%)
- Green (67%)
- Blue (64%)



- Red (40%)
- Yellow (54%)
- Blue (67%)



- Cyan (40%)
- Magenta (0%)
- Yellow (5%)
- Black (33%)




- Cyan (60%)
- Magenta (33%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.1829, 0.2639, 0.3420 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 34.1829, 0.2639, 0.3420 by changing the saturation by 10% instead.





 34.1829, 0.2639,  
0.3420


 34.1829, 0.2639,  
0.3420

320.9468, 0.2893,  
0.3354

 23.0341, 0.2572,  
0.3437

 66.2180, 0.2734,  
0.3396


 14.6187, 0.2484,  
0.3458


 87.8731, 0.2769,  
0.3387

 8.5522, 0.2363,  
0.3486


 113.7992, 0.2798,  
0.3379

 4.4503, 0.2188,  
0.3525

 144.3805, 0.2823,  
0.3373

 1.9285, 0.1911,  
0.3580

180.0015, 0.2844,  
0.3367

 0.5654, 0.0000,  
0.4134

221.0467, 0.2863,

 0.0000, 0.0000,

0.3362

0.0000

267.9003, 0.2879,  
0.3358

■ 34.1829, 0.2639,  
0.3420

■ 34.1829, 0.2639,  
0.3420

■ 33.2200, 0.2547,  
0.3458

■ 35.3533, 0.2746,  
0.3384

■ 32.4481, 0.2472,  
0.3497

■ 36.7387, 0.2865,  
0.3350

■ 31.8544, 0.2414,  
0.3537


■ 38.3509, 0.2993,  
0.3319

■ 31.4234, 0.2376,  
0.3578


■ 40.2000, 0.3127,  
0.3290

■ 31.1362, 0.2356,  
0.3618

■ 42.2953, 0.3266,  
0.3264

 30.9520, 0.2350,  
0.3658

 44.6456, 0.3406,  
0.3241

 30.9519, 0.2350,  
0.3658

 47.2592, 0.3546,  
0.3220

 50.1443, 0.3683,  
0.3202

 53.3054, 0.3818,  
0.3187

# Harmonies

## Analogous

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



34.1829, 0.2941, 0.3748



34.1829, 0.2639, 0.3420



34.1829, 0.2470, 0.3072

# Triad

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



34.1829, 0.2639, 0.3420



34.1829, 0.2919, 0.2729



34.1829, 0.3832, 0.3722

# Complementary

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



34.1829, 0.2639, 0.3420



19.1778, 0.3990, 0.3169

# 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.



34.1829, 0.3832, 0.3441



34.1829, 0.2639, 0.3420



34.1829, 0.3288, 0.2888

# Square

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



34.1829, 0.2639, 0.3420



34.1829, 0.2623, 0.2698



34.1829, 0.3629, 0.3142



34.1829, 0.3634, 0.3912



# Rectangle

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



34.1829, 0.2639, 0.3420



34.1829, 0.2448, 0.2886



34.1829, 0.3629, 0.3142



34.1829, 0.3856, 0.3634

# Sweetspot

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



34.1843, 0.2639, 0.3420



68.8950, 0.2963, 0.3325



33.0942, 0.3147, 0.4462



15.2796, 0.2947, 0.3329



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290



# Same Dimension

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



34.1843, 0.2639, 0.3420



60.4516, 0.2556, 0.3454



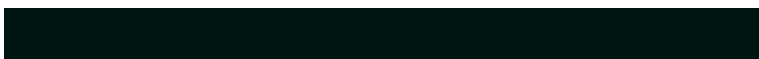
26.0010, 0.2521, 0.2866



8.5166, 0.3002, 0.3317



22.7735, 0.2348, 0.3654



0.5582, 0.2311, 0.3521



# Inverse Universe

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



19.1778, 0.3990, 0.3169



29.4058, 0.4293, 0.3145



24.6698, 0.3954, 0.3673



7.5561, 0.3268, 0.3264



6.3283, 0.6228, 0.3205

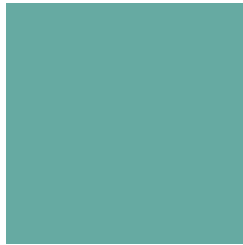


0.1582, 0.5621, 0.2870



# Previews

## White Background



This preview shows how the Yxy color 34.1829, 0.2639, 0.3420 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 34.1829, 0.2639, 0.3420 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

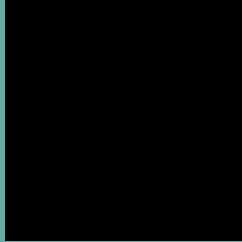
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 34.1829, 0.2639, 0.3420**

## Background



This preview shows how black text looks on a background with the Yxy color 34.1829, 0.2639, 0.3420.

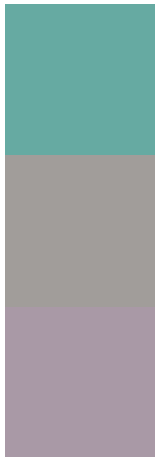


This preview shows how white text looks on a background with the Yxy color 34.1829, 0.2639, 0.3420.

# 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

34.1829, 0.2639, 0.3420

### Protanopia

34.0241, 0.3194, 0.3335

### Deuteranopia

33.9707, 0.3166, 0.3105



## Tritanopia

34.0994, 0.2540, 0.3068

# Trichromacy



## Original Color

34.1829, 0.2639, 0.3420

## Protanomaly

33.8504, 0.2966, 0.3367

## Deuteranomaly

33.5326, 0.2944, 0.3198

## Tritanomaly

34.0645, 0.2574, 0.3192

# Monochromacy



## Original Color

34.1829, 0.2639, 0.3420

## Achromatopsia

30.0544, 0.3127, 0.3290

## Achromatomaly

31.3526, 0.2917, 0.3338

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.1829, 0.2639, 0.3420 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(102, 170, 162)` looks like.

```
.text, #text, p{  
    color:rgb(102, 170, 162)  
}
```

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(102, 170, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 170, 162) }
```

## Border

The CSS property to change the border of an element to Yxy 34.1829, 0.2639, 0.3420 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(102, 170, 162) }
```

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

```
.border{ border-color:rgb(102, 170, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 170, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 170, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 170, 162);  
box-shadow:4px 4px 4px 4px rgb(102, 170,  
162) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.1829, 0.2639, 0.3420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 170, 162) }
```

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

```
.background{ background-color: rgb(102,  
170, 162) }
```

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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