

# Converting Colors

$Yxy(36.9771, 0.2632, 0.3407)$

Have a look what the booklet for  
Yxy(36.9771, 0.2632, 0.3407)  
contains.

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# Color

**$\text{Yxy}(36.9794, 0.2632, 0.3400)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	6AB0A9
RGB	106, 176, 169
RGB Percent	42%, 69%, 66%
CMY	0.5844, 0.3098, 0.3373
CMYK	0.40, 0.00, 0.04, 0.31
HSL	174°, 31%, 55%
HSV	174°, 40%, 69%
XYZ	28.6264, 36.9794, 43.1571
YIQ	154.2720, -39.4730, -17.0170

# Conversions

## Conversions Part 2

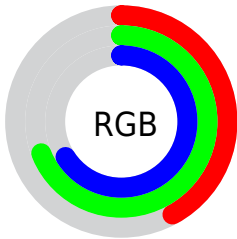
Format	Color
R <sub>YB</sub>	106, 143, 176
Decimal	6992041
CIE <sub>Lab</sub>	67.26, -23.73, -3.36
CIE <sub>LCh</sub>	67, 23.967, 188.056
Y <sub>xy</sub>	36.9794, 0.2632, 0.3400
Android (android.graphics.Color)	4285182121 (0xFF6AB0A9)
YUV	154.2720, 7.2609, -42.3345
Hunter-Lab	60.8107, -22.3905, 0.4896

# Details

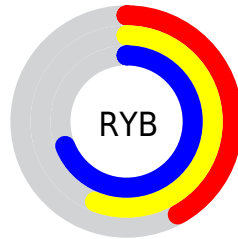
The Yxy color **36.9794, 0.2632, 0.3400** is a light color, and the websafe version is hex **669999**. A complement of this color would be **20.7250, 0.4005, 0.3188**, and the grayscale version is **32.4182, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.6721, 0.2730, 0.3384**, and **16.1803, 0.2480, 0.3426** is the 20% darker color. If you saturate the color by 10%, you get **35.9455, 0.2538, 0.3432**, and if you desaturate by 10%, it is **38.2385, 0.2741, 0.3369**.

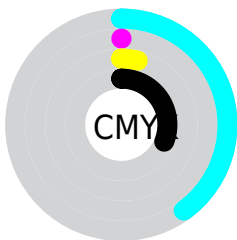
# Distribution



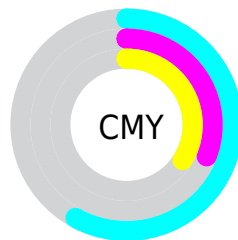
- Red (42%)
- Green (69%)
- Blue (66%)



- Red (42%)
- Yellow (56%)
- Blue (69%)



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)
- Black (31%)




- Cyan (58%)
- Magenta (31%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 36.9794, 0.2632, 0.3400 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 36.9794, 0.2632, 0.3400 by changing the saturation by 10% instead.





 36.9794, 0.2632,  
0.3400


 36.9794, 0.2632,  
0.3400


333.2213, 0.2887,  
0.3346


 25.1915, 0.2566,  
0.3413


 70.5411, 0.2726,  
0.3381


 16.2198, 0.2481,  
0.3430

 93.0837, 0.2761,  
0.3373

 9.6798, 0.2364,  
0.3451


 119.9801, 0.2790,  
0.3367

 5.1872, 0.2198,  
0.3479

 151.6145, 0.2815,  
0.3362

 2.3575, 0.1942,  
0.3516

188.3715, 0.2837,  
0.3357

 0.8039, 0.0877,  
0.3817

230.6353, 0.2856,

 0.0000, 0.0000,

0.3353

0.0000

278.7905, 0.2872,  
0.3349

■ 36.9794, 0.2632,  
0.3400

■ 36.9794, 0.2632,  
0.3400

■ 35.9455, 0.2538,  
0.3432

■ 38.2385, 0.2741,  
0.3369

■ 35.1186, 0.2461,  
0.3465

■ 39.7307, 0.2862,  
0.3341

■ 34.4851, 0.2403,  
0.3499


■ 41.4692, 0.2993,  
0.3314

■ 34.0278, 0.2363,  
0.3534


■ 43.4646, 0.3130,  
0.3290

■ 33.7265, 0.2341,  
0.3568


■ 45.7273, 0.3272,  
0.3267

 33.5391, 0.2334,  
0.3601

 48.2666, 0.3415,  
0.3248

 33.5355, 0.2334,  
0.3602

 51.0918, 0.3558,  
0.3230

 54.2116, 0.3699,  
0.3215

 55.8120, 0.3755,  
0.3199

# Harmonies

## Analogous

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



36.9794, 0.2925, 0.3729



36.9794, 0.2632, 0.3400



36.9794, 0.2472, 0.3059

# Triad

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



36.9794, 0.2632, 0.3400



36.9794, 0.2939, 0.2740



36.9794, 0.3818, 0.3730

# Complementary

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



36.9794, 0.2632, 0.3400



20.7250, 0.4005, 0.3188

# 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.



36.9794, 0.3829, 0.3455



36.9794, 0.2632, 0.3400



36.9794, 0.3305, 0.2904

# Square

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



36.9794, 0.2632, 0.3400



36.9794, 0.2641, 0.2702



36.9794, 0.3638, 0.3159



36.9794, 0.3613, 0.3910



# Rectangle

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



36.9794, 0.2632, 0.3400



36.9794, 0.2456, 0.2879



36.9794, 0.3638, 0.3159



36.9794, 0.3845, 0.3645

# Sweetspot

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



36.9809, 0.2632, 0.3400



74.3983, 0.2960, 0.3320



35.6814, 0.3137, 0.4462



16.0348, 0.2944, 0.3323



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290



# Same Dimension

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



36.9809, 0.2632, 0.3400



65.3474, 0.2546, 0.3429



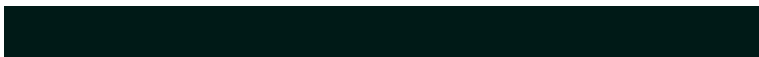
27.7431, 0.2520, 0.2847



9.6166, 0.2999, 0.3313



24.6075, 0.2333, 0.3598



0.7785, 0.2307, 0.3504



# Inverse Universe

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



20.7250, 0.4005, 0.3188



31.6373, 0.4321, 0.3167



26.9965, 0.3945, 0.3689



8.5187, 0.3272, 0.3267



6.8078, 0.6264, 0.3224

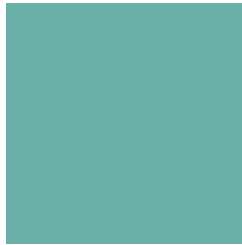


0.2187, 0.5782, 0.2959



# Previews

## White Background



This preview shows how the Yxy color 36.9794, 0.2632, 0.3400 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 36.9794, 0.2632, 0.3400 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

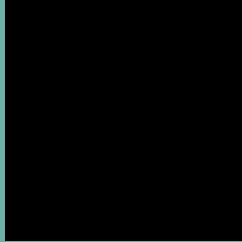
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 36.9794, 0.2632, 0.3400**

## **Background**



This preview shows how black text looks on a background with the Yxy color 36.9794, 0.2632, 0.3400.

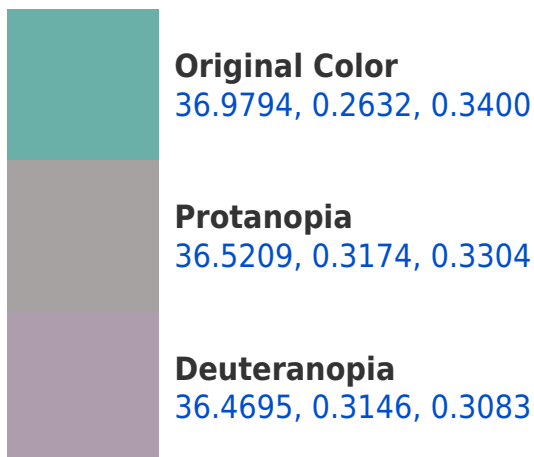


This preview shows how white text looks on a background with the Yxy color 36.9794, 0.2632, 0.3400.

# 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





## Tritanopia

36.8545, 0.2542, 0.3075

# Trichromacy



**Original Color**

36.9794, 0.2632, 0.3400

**Protanomaly**

36.2471, 0.2946, 0.3335

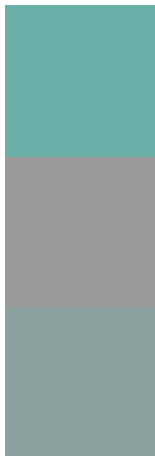
**Deuteranomaly**

36.2784, 0.2925, 0.3186

**Tritanomaly**

36.8186, 0.2576, 0.3195

# Monochromacy



**Original Color**

36.9794, 0.2632, 0.3400

**Achromatopsia**

32.3143, 0.3127, 0.3290

**Achromatomaly**

33.6622, 0.2923, 0.3336

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 36.9794, 0.2632, 0.3400 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(106, 176, 169)` looks like.

```
.text, #text, p{  
    color:rgb(106, 176, 169)  
}
```

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(106, 176, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 176, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 36.9794, 0.2632, 0.3400 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(106, 176, 169) }
```

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

```
.border{ border-color:rgb(106, 176, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 176, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 176, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 176, 169);  
box-shadow:4px 4px 4px 4px rgb(106, 176,  
169) }
```



# Background

The CSS property to change the background color of an element to Yxy 36.9794, 0.2632, 0.3400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 176, 169) }
```

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

```
.background{ background-color: rgb(106,  
176, 169) }
```

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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