

# Converting Colors

$Y_{xy}(34.0472, 0.2773, 0.2722)$

Have a look what the booklet for  
Yxy(34.0472, 0.2773, 0.2722)  
contains.

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# Color

**Yxy(34.1551, 0.2771, 0.2727)**

# Conversions

## Conversions Part 1

Format	Color
Hex	999BC3
RGB	153, 155, 195
RGB Percent	60%, 61%, 76%
CMY	0.4000, 0.3921, 0.2353
CMYK	0.22, 0.21, 0.00, 0.24
HSL	237°, 26%, 68%
HSV	237°, 22%, 76%
XYZ	34.7062, 34.1551, 56.3866
YIQ	158.9620, -14.0320, 12.0160

# Conversions

## Conversions Part 2

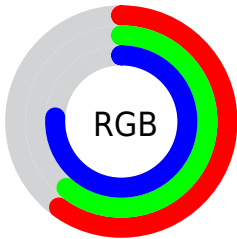
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	153, 155, 195
Decimal	10066883
CIE <sub>Lab</sub>	65.09, 7.87, -20.81
CIE <sub>LCh</sub>	65, 22.245, 290.720
Yxy	34.1551, 0.2771, 0.2727
Android (android.graphics.Color)	4288256963 (0xFF999BC3)
YUV	158.9620, 17.7667, -5.2287
Hunter-Lab	58.4424, 3.7287, -16.2948

# Details

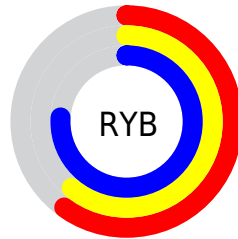
The Yxy color  $34.1551, 0.2771, 0.2727$  is a light color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $52.0293, 0.3453, 0.3797$ , and the grayscale version is  $34.5749, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $66.0391, 0.2840, 0.2825$ , and  $14.5904, 0.2657, 0.2563$  is the 20% darker color. If you saturate the color by 10%, you get  $26.7002, 0.2578, 0.2418$ , and if you desaturate by 10%, it is  $42.8727, 0.2947, 0.3007$ .

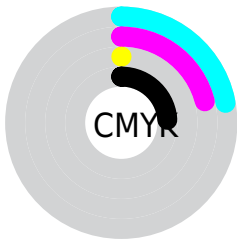
# Distribution



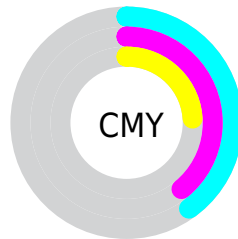
- Red (60%)
- Green (61%)
- Blue (76%)



- Red (60%)
- Yellow (61%)
- Blue (76%)



- Cyan (22%)
- Magenta (21%)
- Yellow (0%)
- Black (24%)



- Cyan (40%)
- Magenta (39%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.1551, 0.2771, 0.2727 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 34.1551, 0.2771, 0.2727 by changing the saturation by 10% instead.



■ 34.1551, 0.2771,  
0.2727

■ 34.1551, 0.2771,  
0.2727

■ 320.8231, 0.2958,  
0.3015

■ 23.0128, 0.2722,  
0.2654

■ 66.1748, 0.2841,  
0.2833

■ 14.6029, 0.2657,  
0.2559

■ 87.8209, 0.2867,  
0.2872

■ 8.5412, 0.2568,  
0.2431

■ 113.7372, 0.2888,  
0.2905

■ 4.4432, 0.2439,  
0.2252

■ 144.3078, 0.2906,  
0.2934

■ 1.9244, 0.2238,  
0.1984

■ 179.9174, 0.2922,  
0.2958

■ 0.5630, 0.1898,  
0.1469

■ 220.9502, 0.2936,

■ 0.0000, 0.0000,

0.2979

0.0000

267.7906, 0.2948,  
0.2998

■ 34.1551, 0.2771,  
0.2727

■ 34.1551, 0.2771,  
0.2727

■ 26.7002, 0.2578,  
0.2418

■ 42.8727, 0.2947,  
0.3007

■ 20.4455, 0.2372,  
0.2085

■ 52.9033, 0.3105,  
0.3255

■ 15.3296, 0.2162,  
0.1744

■ 64.2996, 0.3243,  
0.3471

■ 11.2837, 0.1961,  
0.1412

■ 77.1101, 0.3363,  
0.3658

■ 8.2320, 0.1783,  
0.1113

■ 91.3810, 0.3468,  
0.3820

■ 6.0884, 0.1644,  
0.0873

■ 96.7197, 0.3484,  
0.3880

■ 4.7523, 0.1551,  
0.0708

■ 4.1428, 0.1508,  
0.0628

# Harmonies

## Analogous

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



34.1551, 0.2554, 0.2772



34.1551, 0.2771, 0.2727



34.1551, 0.3093, 0.2817

# Triad

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



34.1551, 0.2771, 0.2727



34.1551, 0.3816, 0.3566



34.1551, 0.2805, 0.3585

# Complementary

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



34.1551, 0.2771, 0.2727



52.0293, 0.3453, 0.3797

# 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.



34.1551, 0.3131, 0.3833



34.1551, 0.2771, 0.2727



34.1551, 0.3723, 0.3799

# Square

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



34.1551, 0.2771, 0.2727



34.1551, 0.3712, 0.3283



34.1551, 0.3469, 0.3908



34.1551, 0.2572, 0.3253



# Rectangle

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



34.1551, 0.2771, 0.2727



34.1551, 0.3328, 0.2940



34.1551, 0.3469, 0.3908



34.1551, 0.2907, 0.3683

# Sweetspot

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



34.1565, 0.2771, 0.2727



86.2800, 0.3035, 0.3146



49.6426, 0.2824, 0.3317



18.6317, 0.3025, 0.3129



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



34.1565, 0.2771, 0.2727



54.4086, 0.2679, 0.2580



35.4781, 0.2937, 0.2726



9.8238, 0.2983, 0.3064



2.7282, 0.1510, 0.0635



0.1452, 0.1546, 0.0763



# Inverse Universe

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



36.7476, 0.3537, 0.3265



59.9570, 0.3659, 0.3258



50.5661, 0.3287, 0.3849



10.0855, 0.3282, 0.3279



7.5576, 0.6341, 0.3267

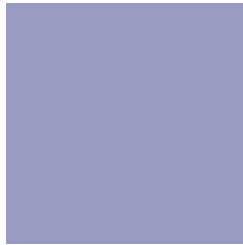


0.3293, 0.6128, 0.3150



# Previews

## White Background



This preview shows how the Yxy color 34.1551, 0.2771, 0.2727 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

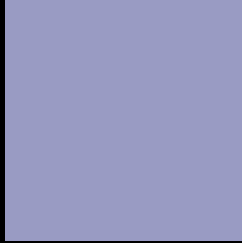
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 34.1551, 0.2771, 0.2727 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

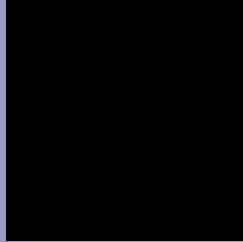
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 34.1551, 0.2771, 0.2727**

## **Background**



This preview shows how black text looks on a background with the Yxy color 34.1551, 0.2771, 0.2727.



This preview shows how white text looks on a background with the Yxy color 34.1551, 0.2771, 0.2727.

# 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

34.1551, 0.2771, 0.2727

### Protanopia

34.0584, 0.2722, 0.2722

### Deuteranopia

34.2528, 0.2780, 0.2728



## Tritanopia

34.1644, 0.2922, 0.3097

# Trichromacy



## Original Color

34.1551, 0.2771, 0.2727

## Protanomaly

34.2465, 0.2739, 0.2725

## Deuteranomaly

34.2528, 0.2780, 0.2728

## Tritanomaly

34.2330, 0.2865, 0.2968

# Monochromacy



## Original Color

34.1551, 0.2771, 0.2727

## Achromatopsia

34.6704, 0.3127, 0.3290

## Achromatomaly

34.6004, 0.2995, 0.3086

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.1551, 0.2771, 0.2727 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(153, 155, 195)` looks like.

```
.text, #text, p{  
    color:rgb(153, 155, 195)  
}
```

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(153, 155, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 155, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 34.1551, 0.2771, 0.2727 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(153, 155, 195) }
```

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

```
.border{ border-color:rgb(153, 155, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 155, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 155, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 155, 195);  
box-shadow:4px 4px 4px 4px rgb(153, 155,  
195) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.1551, 0.2771, 0.2727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 155, 195) }
```

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

```
.background{ background-color: rgb(153,  
155, 195) }
```

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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