

# Converting Colors

$Y_{xy}(42.7005, 0.2763, 0.3014)$

Have a look what the booklet for  
Yxy(42.7005, 0.2763, 0.3014)  
contains.

<b>Yxy(42.5934, 0.2766, 0.3016)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(42.5934, 0.2766, 0.3016)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	98B2C6
RGB	152, 178, 198
RGB Percent	60%, 70%, 78%
CMY	0.4038, 0.3020, 0.2237
CMYK	0.23, 0.10, 0.00, 0.22
HSL	206°, 29%, 69%
HSV	206°, 23%, 78%
XYZ	39.0628, 42.5934, 59.5686
YIQ	172.5060, -21.9160, 0.7080

# Conversions

## Conversions Part 2

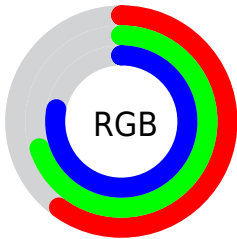
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	152, 169, 198
Decimal	10007238
CIE <sub>Lab</sub>	71.28, -4.45, -13.10
CIE <sub>LCh</sub>	71, 13.832, 251.215
Yxy	42.5934, 0.2766, 0.3016
Android (android.graphics.Color)	4288197318 (0xFF98B2C6)
YUV	172.5060, 12.5685, -17.9838
Hunter-Lab	65.2636, -7.3722, -8.4317

# Details

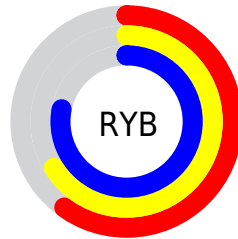
The Yxy color **42.5934, 0.2766, 0.3016** is a light color, and the websafe version is hex **999999**. A complement of this color would be **43.7722, 0.3543, 0.3549**, and the grayscale version is **41.4704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3310, 0.2831, 0.3068**, and **19.3902, 0.2662, 0.2928** is the 20% darker color. If you saturate the color by 10%, you get **37.5239, 0.2608, 0.2878**, and if you desaturate by 10%, it is **48.2000, 0.2924, 0.3142**.

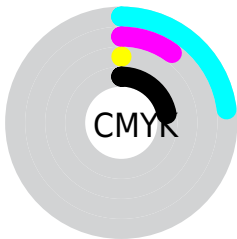
# Distribution



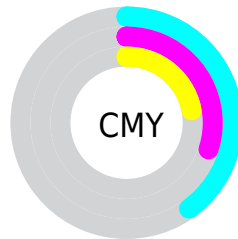
- Red (60%)
- Green (70%)
- Blue (78%)



- Red (60%)
- Yellow (66%)
- Blue (78%)



- Cyan (23%)
- Magenta (10%)
- Yellow (0%)
- Black (22%)




- Cyan (40%)
- Magenta (30%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.5934, 0.2766, 0.3016 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 42.5934, 0.2766, 0.3016 by changing the saturation by 10% instead.




 42.5934, 0.2766,  
0.3016

 42.5934, 0.2766,  
0.3016


356.9369, 0.2947,  
0.3156

 29.5662, 0.2721,  
0.2980


 79.0969, 0.2832,  
0.3067

 19.5096, 0.2662,  
0.2934


 103.3421, 0.2857,  
0.3086

 12.0391, 0.2585,  
0.2872


132.0953, 0.2878,  
0.3103

 6.7703, 0.2476,  
0.2784

165.7410, 0.2896,  
0.3116

 3.3189, 0.2316,  
0.2651

204.6637, 0.2911,  
0.3128

 1.3004, 0.2054,  
0.2426

249.2476, 0.2925,

 0.1415, 0.0208,

0.3139

0.1140

299.8772, 0.2937,  
0.3148

0.0000, 0.0000,  
0.0000

42.5934, 0.2766,  
0.3016

42.5934, 0.2766,  
0.3016

37.5239, 0.2608,  
0.2878

48.2000, 0.2924,  
0.3142

32.9665, 0.2453,  
0.2729

54.3570, 0.3079,  
0.3256

28.9019, 0.2306,  
0.2570

61.0837, 0.3228,  
0.3358

25.3070, 0.2170,  
0.2405

68.3966, 0.3371,  
0.3448

22.1564, 0.2051,  
0.2236

76.3116, 0.3506,  
0.3528

■ 19.4214, 0.1952,  
0.2067

■ 81.7215, 0.3518,  
0.3611

■ 17.0681, 0.1875,  
0.1903

■ 86.6189, 0.3500,  
0.3694

■ 15.6480, 0.1832,  
0.1794

■ 91.7560, 0.3482,  
0.3775

■ 96.8557, 0.3466,  
0.3850

# Harmonies

## Analogous

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



42.5934, 0.2754, 0.3152



42.5934, 0.2766, 0.3016



42.5934, 0.2871, 0.2957

# Triad

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



42.5934, 0.2766, 0.3016



42.5934, 0.3423, 0.3238



42.5934, 0.3198, 0.3622

# Complementary

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



42.5934, 0.2766, 0.3016



43.7722, 0.3543, 0.3549

# 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.



42.5934, 0.3382, 0.3636



42.5934, 0.2766, 0.3016



42.5934, 0.3515, 0.3408

# Square

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



42.5934, 0.2766, 0.3016



42.5934, 0.3249, 0.3085



42.5934, 0.3500, 0.3555



42.5934, 0.2999, 0.3509



# Rectangle

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



42.5934, 0.2766, 0.3016



42.5934, 0.2983, 0.2965



42.5934, 0.3500, 0.3555



42.5934, 0.3264, 0.3638

# Sweetspot

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



42.5951, 0.2766, 0.3016



91.9200, 0.3019, 0.3213



50.0277, 0.2959, 0.3648



19.5306, 0.3009, 0.3206



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

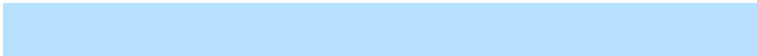


# Same Dimension

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



42.5951, 0.2766, 0.3016



70.6551, 0.2683, 0.2945



34.2265, 0.2740, 0.2689



11.2658, 0.2983, 0.3187



10.3526, 0.1838, 0.1816



0.6324, 0.1932, 0.2153



# Inverse Universe

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



37.6812, 0.3340, 0.2958



60.7551, 0.3401, 0.2880



53.2572, 0.3482, 0.3827



10.7357, 0.3203, 0.3160



8.5851, 0.4667, 0.2345

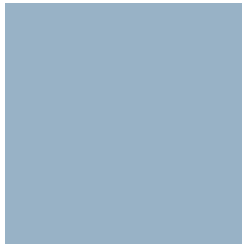


0.4209, 0.4283, 0.2133



# Previews

## White Background



This preview shows how the Yxy color 42.5934, 0.2766, 0.3016 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

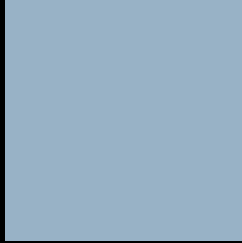
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.5934, 0.2766, 0.3016 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

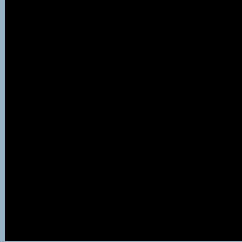
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

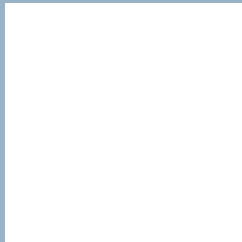
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 42.5934, 0.2766, 0.3016**

## Background



This preview shows how black text looks on a background with the Yxy color 42.5934, 0.2766, 0.3016.



This preview shows how white text looks on a background with the Yxy color 42.5934, 0.2766, 0.3016.

# 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

42.5934, 0.2766, 0.3016

### Protanopia

42.4852, 0.2935, 0.2998

### Deuteranopia

42.5033, 0.2963, 0.2902



## Tritanopia

42.6698, 0.2794, 0.3096

# Trichromacy



## Original Color

42.5934, 0.2766, 0.3016

## Protanomaly

42.5380, 0.2871, 0.3008

## Deuteranomaly

42.4457, 0.2888, 0.2946

## Tritanomaly

42.7596, 0.2780, 0.3069

# Monochromacy



## Original Color

42.5934, 0.2766, 0.3016

## Achromatopsia

41.7885, 0.3127, 0.3290

## Achromatomaly

42.0367, 0.2985, 0.3194

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.5934, 0.2766, 0.3016 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(152, 178, 198)` looks like.

```
.text, #text, p{  
    color:rgb(152, 178, 198)  
}
```

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(152, 178, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 178, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 42.5934, 0.2766, 0.3016 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(152, 178, 198) }
```

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

```
.border{ border-color:rgb(152, 178, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 178, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 178, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 178, 198);  
box-shadow:4px 4px 4px 4px rgb(152, 178,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.5934, 0.2766, 0.3016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 178, 198) }
```

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

```
.background{ background-color: rgb(152,  
178, 198) }
```

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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