

# Converting Colors

$Yxy(41.9634, 0.2729, 0.2903)$

Have a look what the booklet for  
Yxy(41.9634, 0.2729, 0.2903)  
contains.

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# Color

**Yxy(41.7919, 0.2729, 0.2897)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	99AFCC
RGB	153, 175, 204
RGB Percent	60%, 69%, 80%
CMY	0.3998, 0.3137, 0.2001
CMYK	0.25, 0.14, 0.00, 0.20
HSL	214°, 33%, 70%
HSV	214°, 25%, 80%
XYZ	39.3683, 41.7919, 63.0990
YIQ	171.7280, -22.4210, 4.3550

# Conversions

## Conversions Part 2

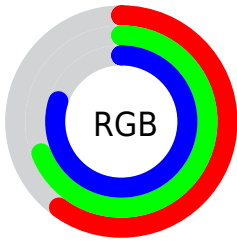
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	153, 168, 204
Decimal	10072012
CIE Lab	70.73, -1.11, -17.21
CIE LCh	71, 17.250, 266.302
Yxy	41.7919, 0.2729, 0.2897
Android (android.graphics.Color)	4288262092 (0xFF99AFCC)
YUV	171.7280, 15.9101, -16.4245
Hunter-Lab	64.6467, -4.4292, -12.6179

# Details

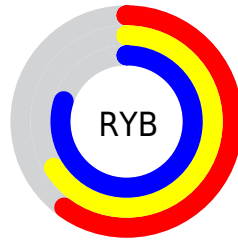
The Yxy color  $41.7919, 0.2729, 0.2897$  is a light color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $48.5957, 0.3562, 0.3654$ , and the grayscale version is  $41.0405, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $77.2235, 0.2834, 0.3025$ , and  $19.1346, 0.2614, 0.2786$  is the 20% darker color. If you saturate the color by 10%, you get  $35.6505, 0.2560, 0.2710$ , and if you desaturate by 10%, it is  $48.6641, 0.2894, 0.3067$ .

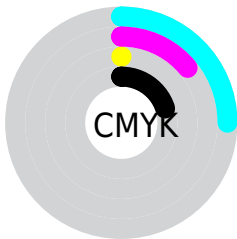
# Distribution



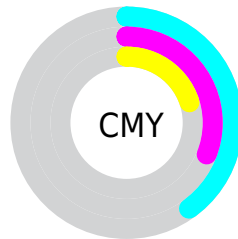
- Red (60%)
- Green (69%)
- Blue (80%)



- Red (60%)
- Yellow (66%)
- Blue (80%)



- Cyan (25%)
- Magenta (14%)
- Yellow (0%)
- Black (20%)



- Cyan (40%)
- Magenta (31%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7919, 0.2729, 0.2897 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 41.7919, 0.2729, 0.2897 by changing the saturation by 10% instead.



■ 41.7919, 0.2729,  
0.2897

■ 41.7919, 0.2729,  
0.2897

■ 353.6196, 0.2929,  
0.3096

■ 28.9384, 0.2679,  
0.2847

■ 77.8846, 0.2802,  
0.2970

■ 19.0342, 0.2614,  
0.2783

■ 101.8925, 0.2829,  
0.2997

■ 11.6950, 0.2528,  
0.2697

■ 130.3874, 0.2853,  
0.3020

■ 6.5364, 0.2408,  
0.2576

■ 163.7536, 0.2872,  
0.3039

■ 3.1739, 0.2231,  
0.2398

■ 202.3755, 0.2890,  
0.3056

■ 1.2232, 0.1946,  
0.2108

■ 246.6376, 0.2905,

■ 0.0805, 0.0338,

0.3071

0.0552

296.9241, 0.2918,  
0.3084

0.0000, 0.0000,  
0.0000

41.7919, 0.2729,  
0.2897

41.7919, 0.2729,  
0.2897

35.6505, 0.2560,  
0.2710

48.6641, 0.2894,  
0.3067

30.2079, 0.2392,  
0.2508

56.2874, 0.3052,  
0.3220

25.4369, 0.2228,  
0.2295

64.6876, 0.3201,  
0.3356

21.3063, 0.2076,  
0.2074

73.8876, 0.3341,  
0.3477

17.7817, 0.1941,  
0.1853

83.9042, 0.3470,  
0.3583

■ 14.8245, 0.1828,  
0.1639

■ 90.6920, 0.3449,  
0.3694

■ 12.3898, 0.1743,  
0.1439

■ 97.1382, 0.3430,  
0.3791

■ 11.3273, 0.1707,  
0.1345

# Harmonies

## Analogous

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



41.7919, 0.2654, 0.3019



41.7919, 0.2729, 0.2897



41.7919, 0.2908, 0.2880

# Triad

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



41.7919, 0.2729, 0.2897



41.7919, 0.3574, 0.3329



41.7919, 0.3087, 0.3652

# Complementary

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



41.7919, 0.2729, 0.2897



48.5957, 0.3562, 0.3654

# 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.



41.7919, 0.3336, 0.3734



41.7919, 0.2729, 0.2897



41.7919, 0.3623, 0.3534

# Square

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



41.7919, 0.2729, 0.2897



41.7919, 0.3398, 0.3124



41.7919, 0.3534, 0.3685



41.7919, 0.2855, 0.3460



# Rectangle

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



41.7919, 0.2729, 0.2897



41.7919, 0.3067, 0.2925



41.7919, 0.3534, 0.3685



41.7919, 0.3171, 0.3694

# Sweetspot

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



41.7936, 0.2729, 0.2897



90.4618, 0.3019, 0.3189



53.3211, 0.2903, 0.3586



19.1930, 0.3009, 0.3180



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

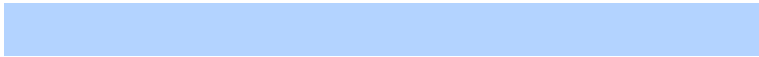


# Same Dimension

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



41.7936, 0.2729, 0.2897



63.5722, 0.2638, 0.2798



34.2656, 0.2730, 0.2592



11.6262, 0.2983, 0.3155



7.3091, 0.1714, 0.1370



0.5268, 0.1821, 0.1755



# Inverse Universe

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



38.7241, 0.3427, 0.3014



58.0275, 0.3513, 0.2951



57.8315, 0.3473, 0.3914



11.2926, 0.3224, 0.3190



8.5408, 0.5231, 0.2655

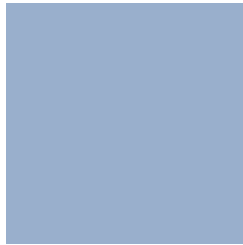


0.4557, 0.4739, 0.2384



# Previews

## White Background



This preview shows how the Yxy color 41.7919, 0.2729, 0.2897 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

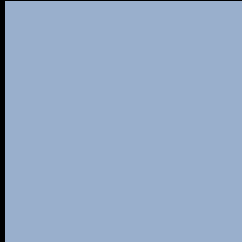
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.7919, 0.2729, 0.2897 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

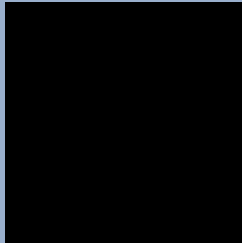
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

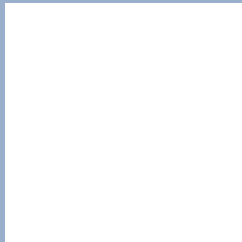
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 41.7919, 0.2729, 0.2897**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.7919, 0.2729, 0.2897.



This preview shows how white text looks on a background with the Yxy color 41.7919, 0.2729, 0.2897.

# 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

41.7919, 0.2729, 0.2897

### Protanopia

41.6056, 0.2848, 0.2879

### Deuteranopia

41.7824, 0.2882, 0.2823



## Tritanopia

41.6899, 0.2798, 0.3094

# Trichromacy



## Original Color

41.7919, 0.2729, 0.2897

## Protanomaly

41.4982, 0.2802, 0.2876

## Deuteranomaly

41.6406, 0.2818, 0.2841

## Tritanomaly

41.6155, 0.2770, 0.3013

# Monochromacy



## Original Color

41.7919, 0.2729, 0.2897

## Achromatopsia

41.2543, 0.3127, 0.3290

## Achromatomaly

41.3472, 0.2969, 0.3139

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.7919, 0.2729, 0.2897 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, 175, 204)` looks like.

```
.text, #text, p{  
    color:rgb(153, 175, 204)  
}
```

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, 175, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 175, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 41.7919, 0.2729, 0.2897 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, 175, 204) }
```

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

```
.border{ border-color:rgb(153, 175, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 175, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 175, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 175, 204);  
box-shadow:4px 4px 4px 4px rgb(153, 175,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.7919, 0.2729, 0.2897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 175, 204) }
```

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

```
.background{ background-color: rgb(153,  
175, 204) }
```

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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