

Converting Colors

$Yxy(42.9852, 0.2701, 0.2918)$

Have a look what the booklet for
Yxy(42.9852, 0.2701, 0.2918)
contains.

Yxy(42.7811, 0.2697, 0.2911)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.7811, 0.2697, 0.2911)

Conversions

Conversions Part 1

Format	Color
Hex	96B2CE
RGB	150, 178, 206
RGB Percent	59%, 70%, 81%
CMY	0.4118, 0.3019, 0.1922
CMYK	0.27, 0.14, 0.00, 0.19
HSL	210°, 36%, 70%
HSV	210°, 27%, 81%
XYZ	39.6361, 42.7811, 64.5464
YIQ	172.8200, -25.6760, 2.7720

Conversions

Conversions Part 2

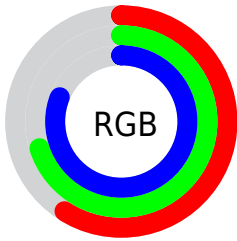
Format	Color
RYB	150, 169, 206
Decimal	9876174
CIELab	71.41, -3.20, -17.31
CIELCh	71, 17.602, 259.539
Yxy	42.7811, 0.2697, 0.2911
Android (android.graphics.Color)	4288066254 (0xFF96B2CE)
YUV	172.8200, 16.3577, -20.0131
Hunter-Lab	65.4073, -6.2937, -12.7246

Details

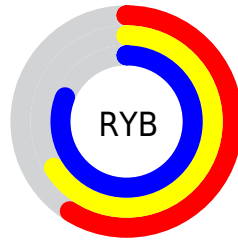
The Yxy color **42.7811, 0.2697, 0.2911** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **47.1500, 0.3619, 0.3641**, and the grayscale version is **41.6181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0448, 0.2819, 0.3067**, and **19.5309, 0.2573, 0.2786** is the 20% darker color. If you saturate the color by 10%, you get **37.0539, 0.2534, 0.2745**, and if you desaturate by 10%, it is **49.1625, 0.2859, 0.3063**.

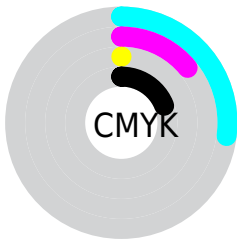
Distribution



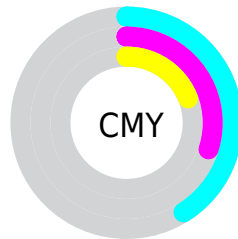
- Red (59%)
- Green (70%)
- Blue (81%)



- Red (59%)
- Yellow (66%)
- Blue (81%)



- Cyan (27%)
- Magenta (14%)
- Yellow (0%)
- Black (19%)



- Cyan (41%)
- Magenta (30%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.7811, 0.2697, 0.2911 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 42.7811, 0.2697, 0.2911 by changing the saturation by 10% instead.

■ 42.7811, 0.2697,
0.2911

■ 42.7811, 0.2697,
0.2911

357.7108, 0.2912,
0.3103

■ 29.7134, 0.2643,
0.2863

■ 79.3804, 0.2775,
0.2981

■ 19.6212, 0.2575,
0.2800

■ 103.6808, 0.2804,
0.3007

■ 12.1200, 0.2484,
0.2717

132.4943, 0.2829,
0.3029

■ 6.8254, 0.2358,
0.2601

166.2052, 0.2851,
0.3048

■ 3.3532, 0.2174,
0.2429

205.1979, 0.2869,
0.3065

■ 1.3188, 0.1881,
0.2149

249.8568, 0.2885,

■ 0.1557, 0.0419,

0.3079

0.0933

300.5663, 0.2900,
0.3092

0.0000, 0.0000,
0.0000

42.7811, 0.2697,
0.2911

42.7811, 0.2697,
0.2911

37.0539, 0.2534,
0.2745

49.1625, 0.2859,
0.3063

31.9512, 0.2374,
0.2567

56.2161, 0.3017,
0.3200

27.4479, 0.2221,
0.2378

63.9655, 0.3169,
0.3323

23.5154, 0.2082,
0.2184

72.4315, 0.3313,
0.3432

20.1214, 0.1961,
0.1989

81.6340, 0.3449,
0.3529

■ 17.2296, 0.1862,
0.1798

■ 87.8946, 0.3445,
0.3627

■ 14.7928, 0.1788,
0.1616

■ 94.1193, 0.3426,
0.3725

■ 14.1667, 0.1769,
0.1567

■ 97.2352, 0.3418,
0.3771

Harmonies

Analogous

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



42.7811, 0.2648, 0.3056



42.7811, 0.2697, 0.2911



42.7811, 0.2857, 0.2869

Triad

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



42.7811, 0.2697, 0.2911



42.7811, 0.3549, 0.3281



42.7811, 0.3144, 0.3687

Complementary

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



42.7811, 0.2697, 0.2911



47.1500, 0.3619, 0.3641

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.



42.7811, 0.3390, 0.3740



42.7811, 0.2697, 0.2911



42.7811, 0.3631, 0.3493

Square

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



42.7811, 0.2697, 0.2911



42.7811, 0.3349, 0.3080



42.7811, 0.3571, 0.3663



42.7811, 0.2900, 0.3513

Rectangle

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



42.7811, 0.2697, 0.2911



42.7811, 0.3010, 0.2900



42.7811, 0.3571, 0.3663



42.7811, 0.3229, 0.3720

Sweetspot

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



42.7828, 0.2697, 0.2911



90.0020, 0.3003, 0.3188



53.7927, 0.2914, 0.3681



18.8794, 0.2979, 0.3168



0.0000, 0.0000, 0.0000



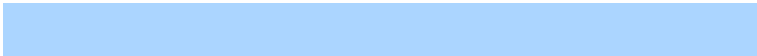
21.4041, 0.3127, 0.3290

Same Dimension

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



42.7828, 0.2697, 0.2911



63.4255, 0.2595, 0.2809



33.0508, 0.2659, 0.2528



11.7559, 0.2983, 0.3171



8.9196, 0.1776, 0.1592



0.6120, 0.1874, 0.1947

Inverse Universe

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



38.1460, 0.3423, 0.2941



55.1308, 0.3514, 0.2858



59.0049, 0.3537, 0.3953



11.3057, 0.3213, 0.3175



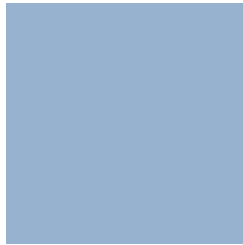
8.7034, 0.4941, 0.2496



0.4643, 0.4513, 0.2260

Previews

White Background



This preview shows how the Yxy color 42.7811, 0.2697, 0.2911 looks on a white background.

Color Contrast Check

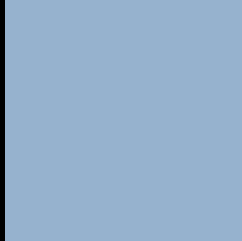
Large Text (above 18pt) WCAG AA × Fail

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 42.7811, 0.2697, 0.2911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

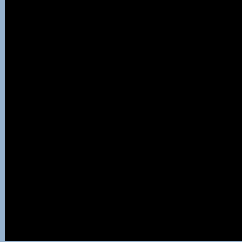
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

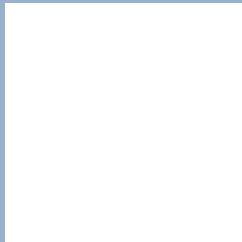
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.7811, 0.2697, 0.2911

Background



This preview shows how black text looks on a background with the Yxy color 42.7811, 0.2697, 0.2911.



This preview shows how white text looks on a background with the Yxy color 42.7811, 0.2697, 0.2911.

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

42.7811, 0.2697, 0.2911

Protanopia

42.6340, 0.2858, 0.2896

Deuteranopia

42.4175, 0.2869, 0.2801



Tritanopia

42.8335, 0.2765, 0.3095

Trichromacy



Original Color

42.7811, 0.2697, 0.2911

Protanomaly

42.7010, 0.2797, 0.2904

Deuteranomaly

42.4991, 0.2806, 0.2844

Tritanomaly

42.7070, 0.2744, 0.3028

Monochromacy



Original Color

42.7811, 0.2697, 0.2911

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.1621, 0.2962, 0.3153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7811, 0.2697, 0.2911 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(150, 178, 206)` looks like.

```
.text, #text, p{  
    color:rgb(150, 178, 206)  
}
```

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(150, 178, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 178, 206) }
```

Border

The CSS property to change the border of an element to Yxy 42.7811, 0.2697, 0.2911 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(150, 178, 206) }
```

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

```
.border{ border-color:rgb(150, 178, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 178, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 178, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 178, 206);  
box-shadow:4px 4px 4px 4px rgb(150, 178,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7811, 0.2697, 0.2911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 178, 206) }
```

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

```
.background{ background-color: rgb(150,  
178, 206) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor