

Converting Colors

$Yxy(42.2186, 0.2667, 0.2923)$

Have a look what the booklet for
Yxy(42.2186, 0.2667, 0.2923)
contains.

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Color

Yxy(42.2683, 0.2668, 0.2920)

Conversions

Conversions Part 1

Format	Color
Hex	91B2CD
RGB	145, 178, 205
RGB Percent	57%, 70%, 80%
CMY	0.4312, 0.3020, 0.1962
CMYK	0.29, 0.13, 0.00, 0.20
HSL	207°, 37%, 69%
HSV	207°, 29%, 80%
XYZ	38.6205, 42.2683, 63.8657
YIQ	171.2110, -28.3350, 1.4010

Conversions

Conversions Part 2

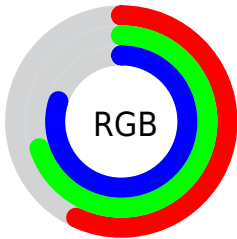
Format	Color
RYB	145, 166, 205
Decimal	9548493
CIELab	71.06, -4.90, -17.32
CIELCh	71, 18.002, 254.196
Yxy	42.2683, 0.2668, 0.2920
Android (android.graphics.Color)	4287738573 (0xFF91B2CD)
YUV	171.2110, 16.6580, -22.9870
Hunter-Lab	65.0141, -7.7398, -12.7328

Details

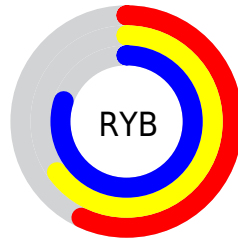
The Yxy color **42.2683, 0.2668, 0.2920** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **44.5379, 0.3674, 0.3632**, and the grayscale version is **40.7660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3450, 0.2789, 0.3065**, and **19.2288, 0.2536, 0.2798** is the 20% darker color. If you saturate the color by 10%, you get **37.0224, 0.2510, 0.2769**, and if you desaturate by 10%, it is **48.1006, 0.2828, 0.3059**.

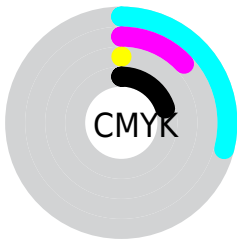
Distribution



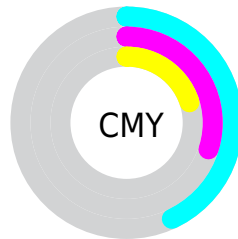
- Red (57%)
- Green (70%)
- Blue (80%)



- Red (57%)
- Yellow (65%)
- Blue (80%)



- Cyan (29%)
- Magenta (13%)
- Yellow (0%)
- Black (20%)



- Cyan (43%)
- Magenta (30%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2683, 0.2668, 0.2920 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 42.2683, 0.2668, 0.2920 by changing the saturation by 10% instead.

■ 42.2683, 0.2668,
0.2920

■ 42.2683, 0.2668,
0.2920

■ 355.5939, 0.2898,
0.3108

■ 29.3114, 0.2611,
0.2872

■ 78.6055, 0.2751,
0.2989

■ 19.3165, 0.2538,
0.2810

■ 102.7547, 0.2783,
0.3015

■ 11.8992, 0.2441,
0.2728

■ 131.4034, 0.2809,
0.3037

■ 6.6751, 0.2307,
0.2612

■ 164.9360, 0.2832,
0.3055

■ 3.2598, 0.2110,
0.2438

■ 203.7370, 0.2852,
0.3071

■ 1.2688, 0.1799,
0.2154

■ 248.1907, 0.2869,

■ 0.1169, 0.0000,

0.3085

0.0776

298.6816, 0.2884,
0.3097

0.0000, 0.0000,
0.0000

42.2683, 0.2668,
0.2920

42.2683, 0.2668,
0.2920

37.0224, 0.2510,
0.2769

48.1006, 0.2828,
0.3059

32.3350, 0.2357,
0.2608

54.5357, 0.2985,
0.3185

28.1830, 0.2213,
0.2438

61.5954, 0.3139,
0.3298

24.5393, 0.2085,
0.2263

69.2988, 0.3286,
0.3399

21.3737, 0.1975,
0.2087

77.6642, 0.3425,
0.3488

■ 18.6511, 0.1887,
0.1915

■ 84.1524, 0.3463,
0.3576

■ 16.3158, 0.1821,
0.1749

■ 89.5258, 0.3446,
0.3665

■ 16.1485, 0.1816,
0.1736

■ 95.1767, 0.3429,
0.3751

■ 97.1867, 0.3424,
0.3781

Harmonies

Analogous

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



42.2683, 0.2640, 0.3085



42.2683, 0.2668, 0.2920



42.2683, 0.2813, 0.2858

Triad

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



42.2683, 0.2668, 0.2920



42.2683, 0.3531, 0.3242



42.2683, 0.3191, 0.3718

Complementary

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



42.2683, 0.2668, 0.2920



44.5379, 0.3674, 0.3632

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.



42.2683, 0.3437, 0.3747



42.2683, 0.2668, 0.2920



42.2683, 0.3640, 0.3460

Square

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



42.2683, 0.2668, 0.2920



42.2683, 0.3310, 0.3042



42.2683, 0.3604, 0.3647



42.2683, 0.2935, 0.3558

Rectangle

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



42.2683, 0.2668, 0.2920



42.2683, 0.2962, 0.2877



42.2683, 0.3604, 0.3647



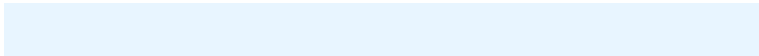
42.2683, 0.3278, 0.3743

Sweetspot

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



42.2700, 0.2668, 0.2920



89.4880, 0.2987, 0.3186



52.6551, 0.2912, 0.3744



18.8076, 0.2964, 0.3169



0.0000, 0.0000, 0.0000



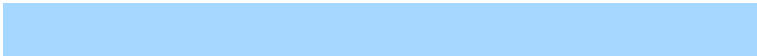
21.4041, 0.3127, 0.3290

Same Dimension

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



42.2700, 0.2668, 0.2920



63.8083, 0.2569, 0.2828



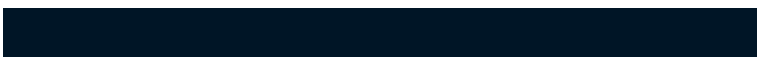
31.6245, 0.2622, 0.2490



11.8493, 0.2983, 0.3183



10.2478, 0.1822, 0.1760



0.6790, 0.1913, 0.2086

Inverse Universe

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



36.4555, 0.3422, 0.2878



53.3386, 0.3505, 0.2788



57.2538, 0.3574, 0.3981



11.3152, 0.3205, 0.3163



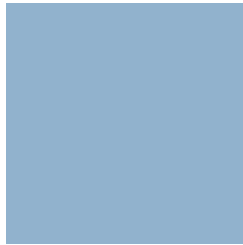
8.8375, 0.4734, 0.2381



0.4711, 0.4357, 0.2174

Previews

White Background



This preview shows how the Yxy color 42.2683, 0.2668, 0.2920 looks on a white background.

Color Contrast Check

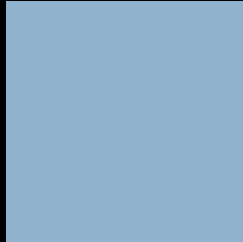
Large Text (above 18pt) WCAG AA × Fail

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 42.2683, 0.2668, 0.2920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

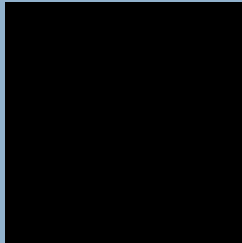
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

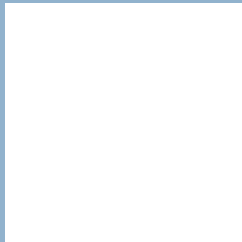
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.2683, 0.2668, 0.2920

Background



This preview shows how black text looks on a background with the Yxy color 42.2683, 0.2668, 0.2920.



This preview shows how white text looks on a background with the Yxy color 42.2683, 0.2668, 0.2920.

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

42.2683, 0.2668, 0.2920

Protanopia

42.0469, 0.2864, 0.2906

Deuteranopia

42.2531, 0.2868, 0.2812



Tritanopia

42.3772, 0.2729, 0.3093

Trichromacy



Original Color

42.2683, 0.2668, 0.2920

Protanomaly

42.0100, 0.2795, 0.2914

Deuteranomaly

42.1299, 0.2789, 0.2853

Tritanomaly

42.2467, 0.2708, 0.3025

Monochromacy



Original Color

42.2683, 0.2668, 0.2920

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.3724, 0.2952, 0.3165

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2683, 0.2668, 0.2920 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(145, 178, 205)` looks like.

```
.text, #text, p{  
    color:rgb(145, 178, 205)  
}
```

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(145, 178, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 178, 205) }
```

Border

The CSS property to change the border of an element to Yxy 42.2683, 0.2668, 0.2920 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(145, 178, 205) }
```

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

```
.border{ border-color:rgb(145, 178, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 178, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(145, 178, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(145, 178, 205); box-shadow:4px 4px 4px 4px rgb(145, 178, 205) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2683, 0.2668, 0.2920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 178, 205) }
```

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

```
.background{ background-color: rgb(145,  
178, 205) }
```

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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