

Converting Colors

$Y_{xy}(42.2681, 0.2615, 0.2805)$

Have a look what the booklet for
Yxy(42.2681, 0.2615, 0.2805)
contains.

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Color

Yxy(42.2681, 0.2615, 0.2805)

Conversions

Conversions Part 1

Format	Color
Hex	91B1D5
RGB	145, 177, 213
RGB Percent	57%, 69%, 84%
CMY	0.4314, 0.3058, 0.1648
CMYK	0.32, 0.17, 0.00, 0.16
HSL	212°, 45%, 70%
HSV	212°, 32%, 84%
XYZ	39.4050, 42.2681, 69.0153
YIQ	171.5360, -30.6280, 4.4120

Conversions

Conversions Part 2

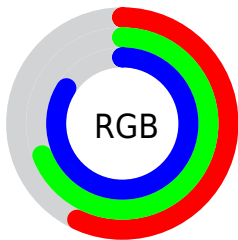
Format	Color
RYB	145, 167, 213
Decimal	9548245
CIELab	71.06, -2.41, -21.71
CIELCh	71, 21.839, 263.661
Yxy	42.2681, 0.2615, 0.2805
Android (android.graphics.Color)	4287738325 (0xFF91B1D5)
YUV	171.5360, 20.4418, -23.2721
Hunter-Lab	65.0139, -5.5853, -17.4293

Details

The Yxy color **42.2681, 0.2615, 0.2805** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **49.2159, 0.3717, 0.3729**, and the grayscale version is **40.9144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7772, 0.2788, 0.3054**, and **19.4112, 0.2472, 0.2678** is the 20% darker color. If you saturate the color by 10%, you get **36.2441, 0.2449, 0.2622**, and if you desaturate by 10%, it is **49.0256, 0.2781, 0.2974**.

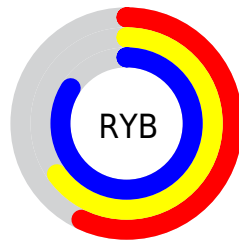
Distribution



Red (57%)

Green (69%)

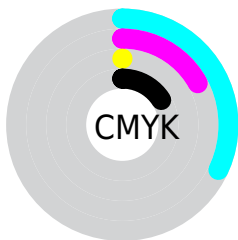
Blue (84%)



Red (57%)

Yellow (65%)

Blue (84%)

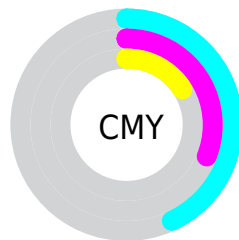


Cyan (32%)

Magenta (17%)

Yellow (0%)

Black (16%)



Cyan (43%)

Magenta (31%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2681, 0.2615, 0.2805 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 42.2681, 0.2615, 0.2805 by changing the saturation by 10% instead.

■ 42.2681, 0.2615,
0.2805

■ 42.2681, 0.2615,
0.2805

■ 355.5931, 0.2871,
0.3049

■ 29.3113, 0.2552,
0.2744

■ 78.6052, 0.2708,
0.2894

■ 19.3164, 0.2471,
0.2666

■ 102.7543, 0.2743,
0.2927

■ 11.8991, 0.2364,
0.2562

■ 131.4029, 0.2772,
0.2955

■ 6.6750, 0.2218,
0.2419

■ 164.9355, 0.2797,
0.2980

■ 3.2597, 0.2006,
0.2209

■ 203.7364, 0.2819,
0.3001

■ 1.2688, 0.1679,
0.1880

■ 248.1901, 0.2839,

■ 0.1168, 0.0263,

0.3019

0.0588

298.6808, 0.2856,
0.3035

0.0000, 0.0000,
0.0000

42.2681, 0.2615,
0.2805

42.2681, 0.2615,
0.2805

36.2441, 0.2449,
0.2622

49.0256, 0.2781,
0.2974

30.9195, 0.2288,
0.2426

56.5388, 0.2942,
0.3128

26.2644, 0.2137,
0.2222

64.8351, 0.3098,
0.3265

22.2443, 0.2002,
0.2015

73.9388, 0.3246,
0.3388

18.8207, 0.1887,
0.1810

83.8732, 0.3384,
0.3496

■ 15.9488, 0.1797,
0.1615

■ 91.1319, 0.3392,
0.3603

■ 13.9764, 0.1741,
0.1466

■ 97.5828, 0.3376,
0.3701

Harmonies

Analogous

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



42.2681, 0.2536, 0.2964



42.2681, 0.2615, 0.2805



42.2681, 0.2827, 0.2775

Triad

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



42.2681, 0.2615, 0.2805



42.2681, 0.3678, 0.3312



42.2681, 0.3101, 0.3768

Complementary

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



42.2681, 0.2615, 0.2805



49.2159, 0.3717, 0.3729

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.



42.2681, 0.3413, 0.3855



42.2681, 0.2615, 0.2805



42.2681, 0.3756, 0.3570

Square

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



42.2681, 0.2615, 0.2805



42.2681, 0.3444, 0.3061



42.2681, 0.3656, 0.3773



42.2681, 0.2807, 0.3531

Rectangle

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



42.2681, 0.2615, 0.2805



42.2681, 0.3022, 0.2825



42.2681, 0.3656, 0.3773



42.2681, 0.3207, 0.3816

Sweetspot

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



42.2698, 0.2615, 0.2805



87.1734, 0.2971, 0.3154



56.8948, 0.2866, 0.3730



18.2938, 0.2949, 0.3133



0.0000, 0.0000, 0.0000



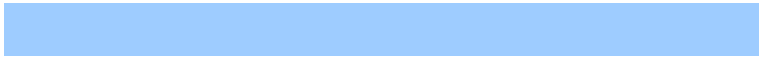
21.4041, 0.3127, 0.3290

Same Dimension

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



42.2698, 0.2615, 0.2805



57.5608, 0.2508, 0.2688



31.1726, 0.2570, 0.2356



12.9636, 0.2982, 0.3163



8.7406, 0.1748, 0.1492



0.6922, 0.1838, 0.1818

Inverse Universe

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



37.5647, 0.3513, 0.2900



50.0949, 0.3622, 0.2819



63.5937, 0.3597, 0.4084



12.5172, 0.3218, 0.3181



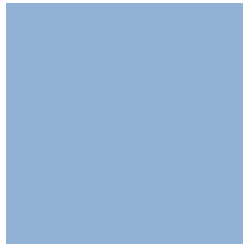
9.2272, 0.5069, 0.2566



0.5732, 0.4664, 0.2343

Previews

White Background



This preview shows how the Yxy color 42.2681, 0.2615, 0.2805 looks on a white background.

Color Contrast Check

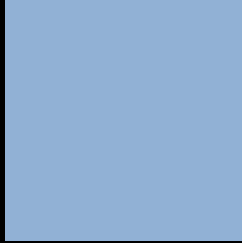
Large Text (above 18pt) WCAG AA × Fail

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 42.2681, 0.2615, 0.2805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

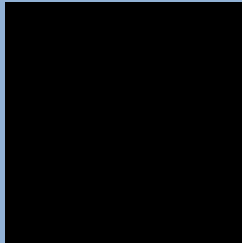
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

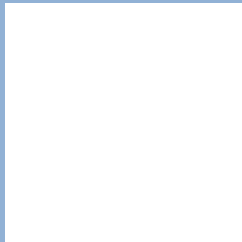
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.2681, 0.2615, 0.2805

Background



This preview shows how black text looks on a background with the Yxy color 42.2681, 0.2615, 0.2805.



This preview shows how white text looks on a background with the Yxy color 42.2681, 0.2615, 0.2805.

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

42.2681, 0.2615, 0.2805

Protanopia

42.1078, 0.2783, 0.2805

Deuteranopia

42.1505, 0.2785, 0.2724



Tritanopia

42.2454, 0.2708, 0.3079

Trichromacy



Original Color

42.2681, 0.2615, 0.2805

Protanomaly

42.1943, 0.2724, 0.2812

Deuteranomaly

42.3192, 0.2719, 0.2754

Tritanomaly

42.2553, 0.2667, 0.2971

Monochromacy



Original Color

42.2681, 0.2615, 0.2805

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.5413, 0.2921, 0.3111

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2681, 0.2615, 0.2805 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, 177, 213)` looks like.

```
.text, #text, p{  
    color:rgb(145, 177, 213)  
}
```

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, 177, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 177, 213) }
```

Border

The CSS property to change the border of an element to Yxy 42.2681, 0.2615, 0.2805 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, 177, 213) }
```

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

```
.border{ border-color:rgb(145, 177, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 177, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 177, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 177, 213);  
box-shadow:4px 4px 4px 4px rgb(145, 177,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2681, 0.2615, 0.2805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 177, 213) }
```

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

```
.background{ background-color: rgb(145,  
177, 213) }
```

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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