

Converting Colors

Yxy(51.4444, 0.2771, 0.2845)

Have a look what the booklet for
Yxy(51.4444, 0.2771, 0.2845)
contains.

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Color

Yxy(51.6650, 0.2774, 0.2851)

Conversions

Conversions Part 1

Format	Color
Hex	B1BEE2
RGB	177, 190, 226
RGB Percent	69%, 75%, 89%
CMY	0.3060, 0.2549, 0.1137
CMYK	0.22, 0.16, 0.00, 0.11
HSL	224°, 46%, 79%
HSV	224°, 22%, 89%
XYZ	50.2696, 51.6650, 79.2825
YIQ	190.2170, -19.3040, 8.4400

Conversions

Conversions Part 2

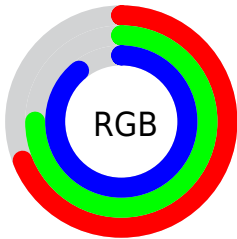
Format	Color
RYB	177, 187, 226
Decimal	11648738
CIELab	77.08, 3.14, -19.45
CIElCh	77, 19.699, 279.184
Yxy	51.6650, 0.2774, 0.2851
Android (android.graphics.Color)	4289838818 (0xFFB1BEE2)
YUV	190.2170, 17.6410, -11.5913
Hunter-Lab	71.8784, -0.9495, -15.0825

Details

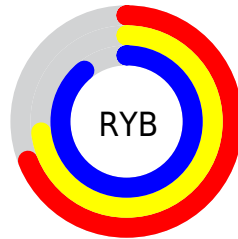
The Yxy color **51.6650, 0.2774, 0.2851** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **66.9239, 0.3482, 0.3694**, and the grayscale version is **51.5283, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4552, 0.2993, 0.3200**, and **25.1167, 0.2681, 0.2736** is the 20% darker color. If you saturate the color by 10%, you get **42.4449, 0.2593, 0.2612**, and if you desaturate by 10%, it is **62.1474, 0.2944, 0.3067**.

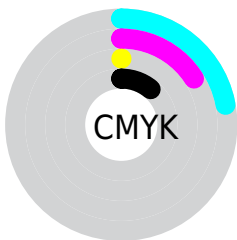
Distribution



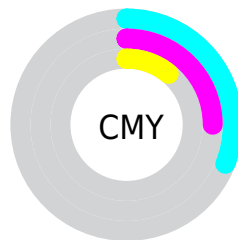
- Red (69%)
- Green (75%)
- Blue (89%)



- Red (69%)
- Yellow (73%)
- Blue (89%)



- Cyan (22%)
- Magenta (16%)
- Yellow (0%)
- Black (11%)



- Cyan (31%)
- Magenta (25%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.6650, 0.2774, 0.2851 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 51.6650, 0.2774, 0.2851 by changing the saturation by 10% instead.

■ 51.6650, 0.2774,
0.2851

■ 51.6650, 0.2774,
0.2851

393.1420, 0.2946,
0.3063

■ 36.7381, 0.2732,
0.2800

■ 92.6370, 0.2836,
0.2926

■ 25.0048, 0.2680,
0.2737

119.4509, 0.2859,
0.2955

■ 16.0806, 0.2611,
0.2654

150.9960, 0.2879,
0.2980

■ 9.5812, 0.2519,
0.2544

187.6565, 0.2896,
0.3001

■ 5.1222, 0.2387,
0.2388

229.8170, 0.2911,
0.3020

■ 2.3191, 0.2187,
0.2155

277.8618, 0.2924,

■ 0.7838, 0.1853,

0.3036

0.1767

332.1753, 0.2936,
0.3050

0.0000, 0.0000,
0.0000

51.6650, 0.2774,
0.2851

51.6650, 0.2774,
0.2851

42.4449, 0.2593,
0.2612

62.1474, 0.2944,
0.3067

34.4317, 0.2407,
0.2352

73.9319, 0.3102,
0.3260

27.5755, 0.2219,
0.2077

87.0645, 0.3246,
0.3429

21.8197, 0.2040,
0.1796

98.2717, 0.3297,
0.3572

17.1029, 0.1878,
0.1522

■ 13.3571, 0.1743,
0.1269

■ 10.5043, 0.1642,
0.1050

■ 8.7297, 0.1584,
0.0901

Harmonies

Analogous

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



51.6650, 0.2644, 0.2933



51.6650, 0.2774, 0.2851



51.6650, 0.3000, 0.2880

Triad

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



51.6650, 0.2774, 0.2851



51.6650, 0.3644, 0.3427



51.6650, 0.2972, 0.3600

Complementary

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



51.6650, 0.2774, 0.2851



66.9239, 0.3482, 0.3694

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.



51.6650, 0.3237, 0.3743



51.6650, 0.2774, 0.2851



51.6650, 0.3632, 0.3628

Square

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



51.6650, 0.2774, 0.2851



51.6650, 0.3509, 0.3204



51.6650, 0.3480, 0.3749



51.6650, 0.2754, 0.3364

Rectangle

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



51.6650, 0.2774, 0.2851



51.6650, 0.3180, 0.2956



51.6650, 0.3480, 0.3749



51.6650, 0.3058, 0.3661

Sweetspot

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



51.6671, 0.2774, 0.2851



88.6912, 0.3019, 0.3160



68.5450, 0.2881, 0.3445



18.7836, 0.3009, 0.3148



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.



51.6671, 0.2774, 0.2851



62.2966, 0.2694, 0.2747



47.6724, 0.2850, 0.2701



13.8328, 0.2981, 0.3113



5.1462, 0.1591, 0.0926



0.5018, 0.1674, 0.1226

Inverse Universe

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



51.3248, 0.3451, 0.3142



61.9980, 0.3538, 0.3109



71.9552, 0.3368, 0.3845



13.7601, 0.3250, 0.3228



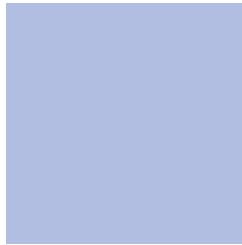
9.4276, 0.5871, 0.3008



0.6681, 0.5430, 0.2765

Previews

White Background



This preview shows how the Yxy color 51.6650, 0.2774, 0.2851 looks on a white background.

Color Contrast Check

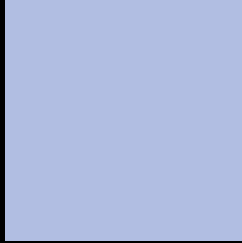
Large Text (above 18pt) WCAG AA × Fail

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 51.6650, 0.2774, 0.2851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

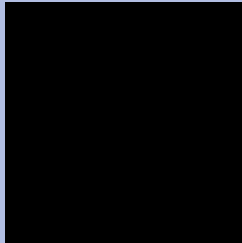
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.6650, 0.2774, 0.2851

Background



This preview shows how black text looks on a background with the Yxy color 51.6650, 0.2774, 0.2851.



This preview shows how white text looks on a background with the Yxy color 51.6650, 0.2774, 0.2851.

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

51.6650, 0.2774, 0.2851

Protanopia

51.4700, 0.2823, 0.2843

Deuteranopia

51.6110, 0.2860, 0.2803



Tritanopia

51.6927, 0.2874, 0.3100

Trichromacy



Original Color

51.6650, 0.2774, 0.2851

Protanomaly

51.6552, 0.2809, 0.2853

Deuteranomaly

51.4010, 0.2823, 0.2810

Tritanomaly

51.7195, 0.2833, 0.3003

Monochromacy



Original Color

51.6650, 0.2774, 0.2851

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

51.4530, 0.2991, 0.3128

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6650, 0.2774, 0.2851 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(177, 190, 226)` looks like.

```
.text, #text, p{  
    color:rgb(177, 190, 226)  
}
```

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(177, 190, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 190, 226) }
```

Border

The CSS property to change the border of an element to Yxy 51.6650, 0.2774, 0.2851 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(177, 190, 226) }
```

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

```
.border{ border-color:rgb(177, 190, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 190, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 190, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 190, 226); box-shadow:4px 4px 4px 4px rgb(177, 190, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6650, 0.2774, 0.2851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 190, 226) }
```

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

```
.background{ background-color: rgb(177,  
190, 226) }
```

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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