

Converting Colors

$Yxy(51.5280, 0.2709, 0.2735)$

Have a look what the booklet for
Yxy(51.5280, 0.2709, 0.2735)
contains.

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Color

Yxy(51.6235, 0.2709, 0.2737)

Conversions

Conversions Part 1

Format	Color
Hex	B0BDEB
RGB	176, 189, 235
RGB Percent	69%, 74%, 92%
CMY	0.3099, 0.2588, 0.0783
CMYK	0.25, 0.20, 0.00, 0.08
HSL	227°, 60%, 81%
HSV	227°, 25%, 92%
XYZ	51.0954, 51.6235, 85.8946
YIQ	190.3570, -22.5140, 11.5500

Conversions

Conversions Part 2

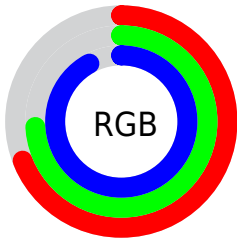
Format	Color
R_{YB}	176, 187, 235
Decimal	11582955
CIE _{Lab}	77.06, 5.45, -24.36
CIE _{LCh}	77, 24.962, 282.620
Yxy	51.6235, 0.2709, 0.2737
Android (android.graphics.Color)	4289773035 (0xFFB0BDEB)
YUV	190.3570, 22.0090, -12.5911
Hunter-Lab	71.8495, 1.2027, -20.5853

Details

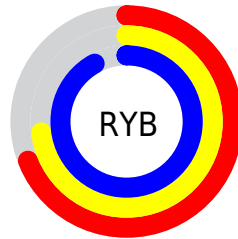
The Yxy color **51.6235, 0.2709, 0.2737** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **73.0402, 0.3538, 0.3788**, and the grayscale version is **51.5883, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6806, 0.2987, 0.3190**, and **25.0006, 0.2597, 0.2601** is the 20% darker color. If you saturate the color by 10%, you get **41.7312, 0.2522, 0.2474**, and if you desaturate by 10%, it is **62.9891, 0.2886, 0.2976**.

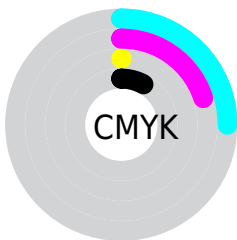
Distribution



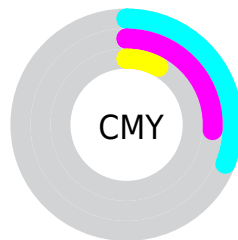
- Red (69%)
- Green (74%)
- Blue (92%)



- Red (69%)
- Yellow (73%)
- Blue (92%)



- Cyan (25%)
- Magenta (20%)
- Yellow (0%)
- Black (8%)



- Cyan (31%)
- Magenta (26%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.6235, 0.2709, 0.2737 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 51.6235, 0.2709, 0.2737 by changing the saturation by 10% instead.

■ 51.6235, 0.2709,
0.2737

■ 51.6235, 0.2709,
0.2737

392.9814, 0.2913,
0.3002

■ 36.7051, 0.2660,
0.2675

■ 92.5757, 0.2782,
0.2831

■ 24.9792, 0.2598,
0.2597

119.3783, 0.2809,
0.2866

■ 16.0616, 0.2518,
0.2496

150.9111, 0.2833,
0.2897

■ 9.5677, 0.2411,
0.2364

187.5585, 0.2853,
0.2924

■ 5.1133, 0.2260,
0.2180

229.7048, 0.2871,
0.2947

■ 2.3139, 0.2034,
0.1912

277.7344, 0.2887,

■ 0.7811, 0.1671,

0.2967

0.1490

332.0318, 0.2900,
0.2986

0.0000, 0.0000,
0.0000

51.6235, 0.2709,
0.2737

51.6235, 0.2709,
0.2737

41.7312, 0.2522,
0.2474

62.9891, 0.2886,
0.2976

33.2447, 0.2329,
0.2191

75.8795, 0.3049,
0.3190

26.1000, 0.2137,
0.1896

90.3512, 0.3198,
0.3379

20.2260, 0.1958,
0.1603

98.7802, 0.3244,
0.3483

15.5442, 0.1800,
0.1327

■ 11.9667, 0.1675,
0.1084

■ 9.3919, 0.1589,
0.0888

■ 8.4470, 0.1559,
0.0812

Harmonies

Analogous

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



51.6235, 0.2532, 0.2819



51.6235, 0.2709, 0.2737



51.6235, 0.3002, 0.2791

Triad

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



51.6235, 0.2709, 0.2737



51.6235, 0.3792, 0.3488



51.6235, 0.2892, 0.3656

Complementary

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



51.6235, 0.2709, 0.2737



73.0402, 0.3538, 0.3788

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.



51.6235, 0.3223, 0.3859



51.6235, 0.2709, 0.2737



51.6235, 0.3753, 0.3736

Square

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



51.6235, 0.2709, 0.2737



51.6235, 0.3641, 0.3209



51.6235, 0.3540, 0.3881



51.6235, 0.2633, 0.3343

Rectangle

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



51.6235, 0.2709, 0.2737



51.6235, 0.3231, 0.2893



51.6235, 0.3540, 0.3881



51.6235, 0.2998, 0.3741

Sweetspot

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



51.6256, 0.2709, 0.2737



86.6083, 0.3003, 0.3131



73.8971, 0.2833, 0.3449



18.0280, 0.2979, 0.3099



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.



51.6256, 0.2709, 0.2737



55.9501, 0.2616, 0.2608



48.2075, 0.2812, 0.2598



15.0882, 0.2980, 0.3101



4.8543, 0.1565, 0.0835



0.5208, 0.1635, 0.1085

Inverse Universe

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



52.3803, 0.3542, 0.3146



57.2580, 0.3654, 0.3115



77.6743, 0.3393, 0.3942



15.1085, 0.3258, 0.3238



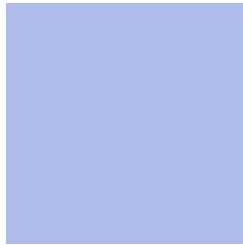
9.9828, 0.6014, 0.3087



0.7980, 0.5632, 0.2876

Previews

White Background



This preview shows how the Yxy color 51.6235, 0.2709, 0.2737 looks on a white background.

Color Contrast Check

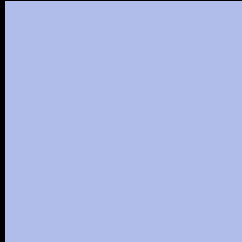
Large Text (above 18pt) WCAG AA × Fail

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 51.6235, 0.2709, 0.2737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

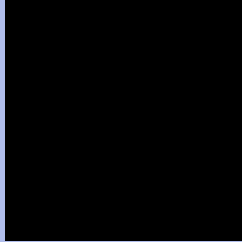
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.6235, 0.2709, 0.2737

Background



This preview shows how black text looks on a background with the Yxy color 51.6235, 0.2709, 0.2737.



This preview shows how white text looks on a background with the Yxy color 51.6235, 0.2709, 0.2737.

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

51.6235, 0.2709, 0.2737

Protanopia

51.4907, 0.2736, 0.2739

Deuteranopia

51.4882, 0.2764, 0.2700



Tritanopia

51.8449, 0.2846, 0.3100

Trichromacy



Original Color

51.6235, 0.2709, 0.2737

Protanomaly

51.3719, 0.2729, 0.2738

Deuteranomaly

51.5419, 0.2743, 0.2708

Tritanomaly

51.6455, 0.2799, 0.2966

Monochromacy



Original Color

51.6235, 0.2709, 0.2737

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

51.5974, 0.2970, 0.3092

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6235, 0.2709, 0.2737 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(176, 189, 235)` looks like.

```
.text, #text, p{  
    color:rgb(176, 189, 235)  
}
```

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(176, 189, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 189, 235) }
```

Border

The CSS property to change the border of an element to Yxy 51.6235, 0.2709, 0.2737 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(176, 189, 235) }
```

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

```
.border{ border-color:rgb(176, 189, 235) }
```

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

Here you see how a box with a 4 pixel rgb(176, 189, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 189, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 189, 235);  
box-shadow:4px 4px 4px 4px rgb(176, 189,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6235, 0.2709, 0.2737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 189, 235) }
```

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

```
.background{ background-color: rgb(176,  
189, 235) }
```

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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