

Converting Colors

$Yxy(47.9837, 0.2736, 0.2674)$

Have a look what the booklet for
Yxy(47.9837, 0.2736, 0.2674)
contains.

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Color

Yxy(47.8770, 0.2740, 0.2671)

Conversions

Conversions Part 1

Format	Color
Hex	B2B4E7
RGB	178, 180, 231
RGB Percent	70%, 71%, 91%
CMY	0.3018, 0.2942, 0.0941
CMYK	0.23, 0.22, 0.00, 0.09
HSL	238°, 52%, 80%
HSV	238°, 23%, 91%
XYZ	49.1138, 47.8770, 82.2567
YIQ	185.2160, -17.5630, 15.4370

Conversions

Conversions Part 2

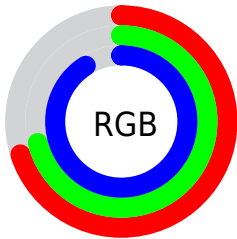
Format	Color
R _Y B	178, 180, 231
Decimal	11711719
CIE Lab	74.75, 10.08, -25.69
CIE LCh	75, 27.596, 291.416
Yxy	47.8770, 0.2740, 0.2671
Android (android.graphics.Color)	4289901799 (0xFFB2B4E7)
YUV	185.2160, 22.5715, -6.3284
Hunter-Lab	69.1932, 5.6124, -22.0485

Details

The Yxy color $47.8770, 0.2740, 0.2671$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $76.2817, 0.3477, 0.3842$, and the grayscale version is $48.5264, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.7033, 0.2999, 0.3099$, and $22.5590, 0.2631, 0.2510$ is the 20% darker color. If you saturate the color by 10%, you get $37.0966, 0.2541, 0.2350$, and if you desaturate by 10%, it is $60.5640, 0.2922, 0.2962$.

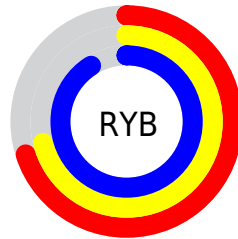
Distribution



Red (70%)

Green (71%)

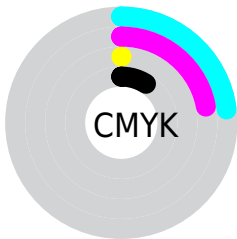
Blue (91%)



Red (70%)

Yellow (71%)

Blue (91%)

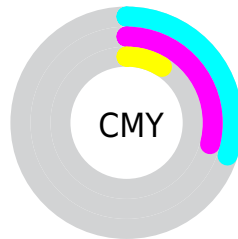


Cyan (23%)

Magenta (22%)

Yellow (0%)

Black (9%)



Cyan (30%)

Magenta (29%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.8770, 0.2740, 0.2671 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 47.8770, 0.2740, 0.2671 by changing the saturation by 10% instead.

■ 47.8770, 0.2740,
0.2671

■ 47.8770, 0.2740,
0.2671

378.3044, 0.2932,
0.2968

■ 33.7295, 0.2693,
0.2601

■ 87.0212, 0.2809,
0.2776

■ 22.6859, 0.2633,
0.2513

112.7868, 0.2836,
0.2817

■ 14.3617, 0.2554,
0.2400

143.1937, 0.2858,
0.2851

■ 8.3727, 0.2448,
0.2250

178.6266, 0.2877,
0.2881

■ 4.3343, 0.2294,
0.2042

219.4697, 0.2893,
0.2907

■ 1.8623, 0.2060,
0.1740

266.1074, 0.2908,

■ 0.5256, 0.1682,

0.2930

0.1186

318.9242, 0.2921,
0.2950

0.0000, 0.0000,
0.0000

47.8770, 0.2740,
0.2671

47.8770, 0.2740,
0.2671

37.0966, 0.2541,
0.2350

60.5640, 0.2922,
0.2962

28.1252, 0.2331,
0.2008

75.2374, 0.3084,
0.3221

20.8655, 0.2118,
0.1660

91.9793, 0.3226,
0.3446

15.2085, 0.1918,
0.1328

98.5498, 0.3268,
0.3522

11.0329, 0.1745,
0.1037

■ 8.2000, 0.1614,
0.0813

■ 6.5448, 0.1534,
0.0671

■ 5.9533, 0.1505,
0.0617

Harmonies

Analogous

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



47.8770, 0.2499, 0.2714



47.8770, 0.2740, 0.2671



47.8770, 0.3097, 0.2773

Triad

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



47.8770, 0.2740, 0.2671



47.8770, 0.3891, 0.3598



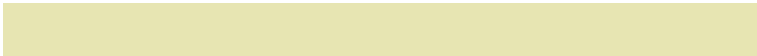
47.8770, 0.2762, 0.3610

Complementary

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



47.8770, 0.2740, 0.2671



76.2817, 0.3477, 0.3842

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.



47.8770, 0.3120, 0.3892



47.8770, 0.2740, 0.2671



47.8770, 0.3782, 0.3856

Square

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



47.8770, 0.2740, 0.2671



47.8770, 0.3781, 0.3287



47.8770, 0.3495, 0.3977



47.8770, 0.2510, 0.3238

Rectangle

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



47.8770, 0.2740, 0.2671



47.8770, 0.3358, 0.2909



47.8770, 0.3495, 0.3977



47.8770, 0.2873, 0.3721

Sweetspot

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



47.8789, 0.2740, 0.2671



86.2850, 0.3019, 0.3119



72.2468, 0.2803, 0.3320



18.2282, 0.3010, 0.3103



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.



47.8789, 0.2740, 0.2671



52.5687, 0.2638, 0.2506



50.1707, 0.2920, 0.2679



13.9712, 0.2980, 0.3056



3.3763, 0.1507, 0.0624



0.2795, 0.1525, 0.0690

Inverse Universe

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



52.1457, 0.3581, 0.3269



58.9293, 0.3722, 0.3264



73.6616, 0.3299, 0.3895



14.3765, 0.3287, 0.3282



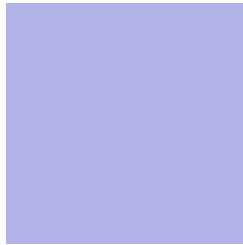
9.5386, 0.6361, 0.3278



0.7079, 0.6249, 0.3216

Previews

White Background



This preview shows how the Yxy color 47.8770, 0.2740, 0.2671 looks on a white background.

Color Contrast Check

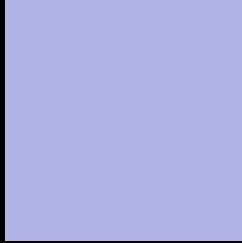
Large Text (above 18pt) WCAG AA × Fail

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 47.8770, 0.2740, 0.2671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

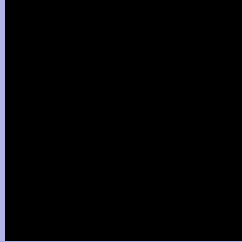
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.8770, 0.2740, 0.2671

Background



This preview shows how black text looks on a background with the Yxy color 47.8770, 0.2740, 0.2671.



This preview shows how white text looks on a background with the Yxy color 47.8770, 0.2740, 0.2671.

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

47.8770, 0.2740, 0.2671

Protanopia

47.9400, 0.2685, 0.2677

Deuteranopia

47.7591, 0.2732, 0.2670



Tritanopia

48.0586, 0.2910, 0.3108

Trichromacy



Original Color

47.8770, 0.2740, 0.2671

Protanomaly

47.8726, 0.2705, 0.2668

Deuteranomaly

47.7591, 0.2732, 0.2670

Tritanomaly

47.9828, 0.2848, 0.2948

Monochromacy



Original Color

47.8770, 0.2740, 0.2671

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.0763, 0.2974, 0.3050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8770, 0.2740, 0.2671 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(178, 180, 231)` looks like.

```
.text, #text, p{  
    color:rgb(178, 180, 231)  
}
```

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(178, 180, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 180, 231) }
```

Border

The CSS property to change the border of an element to Yxy 47.8770, 0.2740, 0.2671 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(178, 180, 231) }
```

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

```
.border{ border-color:rgb(178, 180, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 180, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 180, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 180, 231);  
box-shadow:4px 4px 4px 4px rgb(178, 180,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8770, 0.2740, 0.2671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 180, 231) }
```

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

```
.background{ background-color: rgb(178,  
180, 231) }
```

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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