

Converting Colors

$Yxy(48.3882, 0.2739, 0.2717)$

Have a look what the booklet for
Yxy(48.3882, 0.2739, 0.2717)
contains.

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Color

Yxy(48.3431, 0.2740, 0.2716)

Conversions

Conversions Part 1

Format	Color
Hex	B0B6E5
RGB	176, 182, 229
RGB Percent	69%, 71%, 90%
CMY	0.3099, 0.2862, 0.1020
CMYK	0.23, 0.21, 0.00, 0.10
HSL	233°, 50%, 79%
HSV	233°, 23%, 90%
XYZ	48.7703, 48.3431, 80.8804
YIQ	185.5640, -18.6630, 13.3450

Conversions

Conversions Part 2

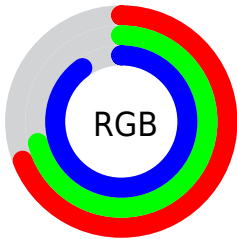
Format	Color
R_{YB}	176, 181, 229
Decimal	11581157
CIE _{Lab}	75.04, 7.87, -24.16
CIE _{LCh}	75, 25.414, 288.048
Yxy	48.3431, 0.2740, 0.2716
Android (android.graphics.Color)	4289771237 (0xFFB0B6E5)
YUV	185.5640, 21.4139, -8.3876
Hunter-Lab	69.5292, 3.5302, -20.2991

Details

The Yxy color **48.3431, 0.2740, 0.2716** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **72.5431, 0.3490, 0.3806**, and the grayscale version is **48.7317, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5249, 0.2987, 0.3119**, and **22.9286, 0.2641, 0.2570** is the 20% darker color. If you saturate the color by 10%, you get **38.1782, 0.2547, 0.2421**, and if you desaturate by 10%, it is **60.1667, 0.2919, 0.2984**.

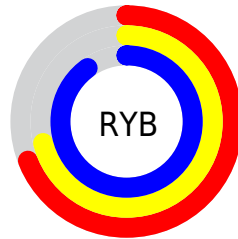
Distribution



Red (69%)

Green (71%)

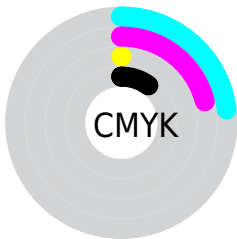
Blue (90%)



Red (69%)

Yellow (71%)

Blue (90%)

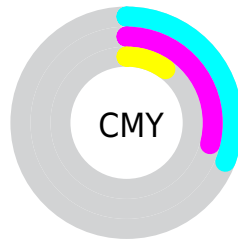


Cyan (23%)

Magenta (21%)

Yellow (0%)

Black (10%)



Cyan (31%)

Magenta (29%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.3431, 0.2740, 0.2716 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 48.3431, 0.2740, 0.2716 by changing the saturation by 10% instead.

■ 48.3431, 0.2740,
0.2716

■ 48.3431, 0.2740,
0.2716

380.1505, 0.2932,
0.2993

■ 34.0987, 0.2693,
0.2650

■ 87.7150, 0.2809,
0.2814

■ 22.9694, 0.2634,
0.2568

113.6113, 0.2835,
0.2852

■ 14.5709, 0.2556,
0.2462

144.1603, 0.2857,
0.2884

■ 8.5188, 0.2450,
0.2320

179.7465, 0.2876,
0.2912

■ 4.4287, 0.2299,
0.2122

220.7542, 0.2893,
0.2936

■ 1.9161, 0.2067,
0.1832

267.5679, 0.2907,

■ 0.5580, 0.1686,

0.2957

0.1302

320.5718, 0.2920,
0.2976

0.0000, 0.0000,
0.0000

48.3431, 0.2740,
0.2716

48.3431, 0.2740,
0.2716

38.1782, 0.2547,
0.2421

60.1667, 0.2919,
0.2984

29.5919, 0.2344,
0.2104

73.7126, 0.3080,
0.3221

22.5064, 0.2139,
0.1777

89.0482, 0.3224,
0.3430

16.8348, 0.1946,
0.1458

98.4365, 0.3280,
0.3542

12.4812, 0.1776,
0.1166

■ 9.3377, 0.1643,
0.0925

■ 7.2785, 0.1556,
0.0749

■ 6.3976, 0.1520,
0.0670

Harmonies

Analogous

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



48.3431, 0.2532, 0.2774



48.3431, 0.2740, 0.2716



48.3431, 0.3060, 0.2796

Triad

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



48.3431, 0.2740, 0.2716



48.3431, 0.3827, 0.3546



48.3431, 0.2826, 0.3618

Complementary

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



48.3431, 0.2740, 0.2716



72.5431, 0.3490, 0.3806

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.



48.3431, 0.3162, 0.3858



48.3431, 0.2740, 0.2716



48.3431, 0.3750, 0.3790

Square

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



48.3431, 0.2740, 0.2716



48.3431, 0.3704, 0.3257



48.3431, 0.3502, 0.3916



48.3431, 0.2578, 0.3282

Rectangle

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



48.3431, 0.2740, 0.2716



48.3431, 0.3300, 0.2915



48.3431, 0.3502, 0.3916



48.3431, 0.2932, 0.3715

Sweetspot

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



48.3450, 0.2740, 0.2716



87.0892, 0.3019, 0.3132



70.5775, 0.2820, 0.3361



18.4137, 0.3010, 0.3118



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.



48.3450, 0.2740, 0.2716



54.9387, 0.2645, 0.2571



48.4759, 0.2890, 0.2668



14.1498, 0.2980, 0.3075



3.7457, 0.1524, 0.0684



0.3650, 0.1575, 0.0870

Inverse Universe

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



51.0773, 0.3550, 0.3222



59.1685, 0.3674, 0.3207



72.6733, 0.3326, 0.3896



14.3945, 0.3275, 0.3264



9.5758, 0.6259, 0.3222



0.7165, 0.5958, 0.3056

Previews

White Background



This preview shows how the Yxy color 48.3431, 0.2740, 0.2716 looks on a white background.

Color Contrast Check

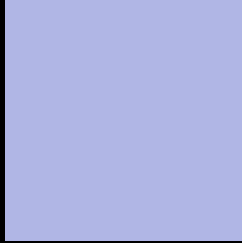
Large Text (above 18pt) WCAG AA × Fail

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 48.3431, 0.2740, 0.2716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

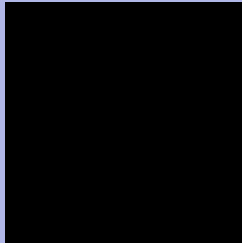
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.3431, 0.2740, 0.2716

Background



This preview shows how black text looks on a background with the Yxy color 48.3431, 0.2740, 0.2716.



This preview shows how white text looks on a background with the Yxy color 48.3431, 0.2740, 0.2716.

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

48.3431, 0.2740, 0.2716

Protanopia

48.4084, 0.2719, 0.2725

Deuteranopia

48.4082, 0.2768, 0.2708



Tritanopia

48.4628, 0.2889, 0.3096

Trichromacy



Original Color

48.3431, 0.2740, 0.2716

Protanomaly

48.5228, 0.2727, 0.2726

Deuteranomaly

48.2886, 0.2761, 0.2707

Tritanomaly

48.3356, 0.2834, 0.2948

Monochromacy



Original Color

48.3431, 0.2740, 0.2716

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.9073, 0.2974, 0.3075

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3431, 0.2740, 0.2716 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, 182, 229)` looks like.

```
.text, #text, p{  
    color:rgb(176, 182, 229)  
}
```

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, 182, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 182, 229) }
```

Border

The CSS property to change the border of an element to Yxy 48.3431, 0.2740, 0.2716 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, 182, 229) }
```

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

```
.border{ border-color:rgb(176, 182, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 182, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 182, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 182, 229);  
box-shadow:4px 4px 4px 4px rgb(176, 182,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3431, 0.2740, 0.2716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 182, 229) }
```

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

```
.background{ background-color: rgb(176,  
182, 229) }
```

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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