

Converting Colors

Yxy(51.1064, 0.2688, 0.2744)

Have a look what the booklet for
Yxy(51.1064, 0.2688, 0.2744)
contains.

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Color

Yxy(51.1064, 0.2688, 0.2744)

Conversions

Conversions Part 1

Format	Color
Hex	ACBDEA
RGB	172, 189, 234
RGB Percent	67%, 74%, 92%
CMY	0.3255, 0.2588, 0.0823
CMYK	0.26, 0.19, 0.00, 0.08
HSL	224°, 60%, 80%
HSV	224°, 26%, 92%
XYZ	50.0634, 51.1064, 85.0780
YIQ	189.0470, -24.5770, 10.3910

Conversions

Conversions Part 2

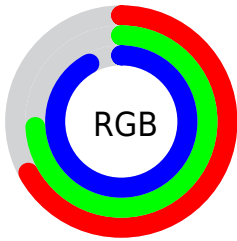
Format	Color
R _Y B	172, 185, 234
Decimal	11320810
CIE Lab	76.74, 4.04, -24.31
CIE LCh	77, 24.642, 279.440
Yxy	51.1064, 0.2688, 0.2744
Android (android.graphics.Color)	4289510890 (0xFFACBDEA)
YUV	189.0470, 22.1618, -14.9502
Hunter-Lab	71.4887, -0.1021, -20.5183

Details

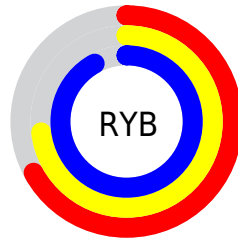
The Yxy color **51.1064, 0.2688, 0.2744** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **70.1060, 0.3571, 0.3782**, and the grayscale version is **50.8000, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0188, 0.2962, 0.3189**, and **24.6742, 0.2570, 0.2609** is the 20% darker color. If you saturate the color by 10%, you get **41.8048, 0.2504, 0.2497**, and if you desaturate by 10%, it is **61.7342, 0.2864, 0.2969**.

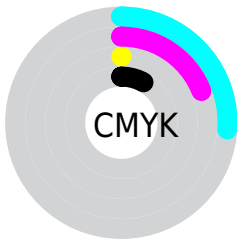
Distribution



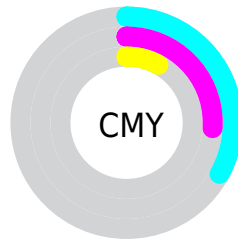
- Red (67%)
- Green (74%)
- Blue (92%)



- Red (67%)
- Yellow (73%)
- Blue (92%)



- Cyan (26%)
- Magenta (19%)
- Yellow (0%)
- Black (8%)



- Cyan (33%)
- Magenta (26%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.1064, 0.2688, 0.2744 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 51.1064, 0.2688, 0.2744 by changing the saturation by 10% instead.

■ 51.1064, 0.2688,
0.2744

■ 51.1064, 0.2688,
0.2744

■ 390.9770, 0.2902,
0.3007

■ 36.2933, 0.2637,
0.2682

■ 91.8120, 0.2764,
0.2837

■ 24.6608, 0.2572,
0.2604

■ 118.4733, 0.2793,
0.2873

■ 15.8245, 0.2488,
0.2504

■ 149.8528, 0.2818,
0.2903

■ 9.4001, 0.2376,
0.2371

■ 186.3349, 0.2840,
0.2929

■ 5.0030, 0.2217,
0.2186

■ 228.3040, 0.2858,
0.2952

■ 2.2490, 0.1981,
0.1915

■ 276.1444, 0.2875,

■ 0.7465, 0.1603,

0.2973

0.1480

330.2407, 0.2889,
0.2991

0.0000, 0.0000,
0.0000

51.1064, 0.2688,
0.2744

51.1064, 0.2688,
0.2744

41.8048, 0.2504,
0.2497

61.7342, 0.2864,
0.2969

33.7693, 0.2317,
0.2231

73.7326, 0.3028,
0.3171

26.9442, 0.2133,
0.1955

87.1516, 0.3178,
0.3350

21.2670, 0.1962,
0.1677

98.7214, 0.3250,
0.3493

16.6689, 0.1812,
0.1413

■ 13.0726, 0.1694,
0.1174

■ 10.3873, 0.1611,
0.0975

■ 9.6259, 0.1588,
0.0915

Harmonies

Analogous

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



51.1064, 0.2528, 0.2840



51.1064, 0.2688, 0.2744



51.1064, 0.2969, 0.2784

Triad

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



51.1064, 0.2688, 0.2744



51.1064, 0.3778, 0.3458



51.1064, 0.2927, 0.3681

Complementary

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



51.1064, 0.2688, 0.2744



70.1060, 0.3571, 0.3782

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.



51.1064, 0.3258, 0.3865



51.1064, 0.2688, 0.2744



51.1064, 0.3760, 0.3709

Square

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



51.1064, 0.2688, 0.2744



51.1064, 0.3610, 0.3182



51.1064, 0.3565, 0.3867



51.1064, 0.2659, 0.3377

Rectangle

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



51.1064, 0.2688, 0.2744



51.1064, 0.3194, 0.2877



51.1064, 0.3565, 0.3867



51.1064, 0.3035, 0.3760

Sweetspot

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



51.1084, 0.2688, 0.2744



87.2479, 0.3003, 0.3142



72.6057, 0.2836, 0.3496



18.1881, 0.2979, 0.3112



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.



51.1084, 0.2688, 0.2744



55.5266, 0.2585, 0.2607



45.8156, 0.2768, 0.2551



15.2210, 0.2980, 0.3114



5.5885, 0.1595, 0.0941



0.5948, 0.1669, 0.1208

Inverse Universe

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



50.6746, 0.3541, 0.3101



55.2759, 0.3663, 0.3058



77.1387, 0.3429, 0.3974



15.1219, 0.3250, 0.3226



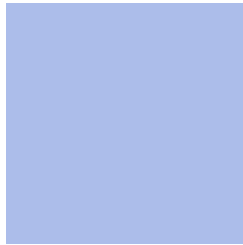
10.0570, 0.5848, 0.2995



0.8055, 0.5455, 0.2778

Previews

White Background



This preview shows how the Yxy color 51.1064, 0.2688, 0.2744 looks on a white background.

Color Contrast Check

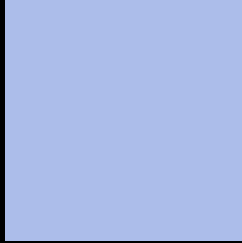
Large Text (above 18pt) WCAG AA × Fail

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 51.1064, 0.2688, 0.2744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

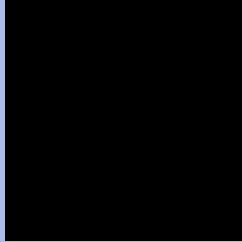
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

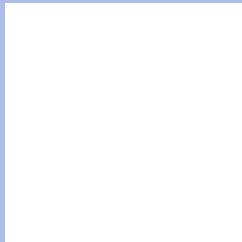
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.1064, 0.2688, 0.2744

Background



This preview shows how black text looks on a background with the Yxy color 51.1064, 0.2688, 0.2744.



This preview shows how white text looks on a background with the Yxy color 51.1064, 0.2688, 0.2744.

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

51.1064, 0.2688, 0.2744

Protanopia

51.0075, 0.2741, 0.2738

Deuteranopia

50.8864, 0.2762, 0.2697



Tritanopia

50.9589, 0.2816, 0.3085

Trichromacy



Original Color

51.1064, 0.2688, 0.2744

Protanomaly

51.0797, 0.2721, 0.2747

Deuteranomaly

50.8193, 0.2734, 0.2705

Tritanomaly

51.1962, 0.2771, 0.2964

Monochromacy



Original Color

51.1064, 0.2688, 0.2744

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.8702, 0.2961, 0.3090

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.1064, 0.2688, 0.2744 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(172, 189, 234)` looks like.

```
.text, #text, p{  
    color:rgb(172, 189, 234)  
}
```

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(172, 189, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 189, 234) }
```

Border

The CSS property to change the border of an element to Yxy 51.1064, 0.2688, 0.2744 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(172, 189, 234) }
```

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

```
.border{ border-color:rgb(172, 189, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 189, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 189, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 189, 234);  
box-shadow:4px 4px 4px 4px rgb(172, 189,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 51.1064, 0.2688, 0.2744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 189, 234) }
```

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

```
.background{ background-color: rgb(172,  
189, 234) }
```

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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