

Converting Colors

$Y_{xy}(50.5037, 0.2719, 0.2744)$

Have a look what the booklet for
Yxy(50.5037, 0.2719, 0.2744)
contains.

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Color

Yxy(50.4808, 0.2719, 0.2744)

Conversions

Conversions Part 1

Format	Color
Hex	AFBBE8
RGB	175, 187, 232
RGB Percent	69%, 73%, 91%
CMY	0.3136, 0.2667, 0.0901
CMYK	0.25, 0.19, 0.00, 0.09
HSL	227°, 55%, 80%
HSV	227°, 25%, 91%
XYZ	50.0209, 50.4808, 83.4662
YIQ	188.5420, -21.5970, 11.4510

Conversions

Conversions Part 2

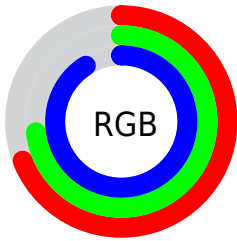
Format	Color
R _Y B	175, 185, 232
Decimal	11516904
CIE Lab	76.36, 5.57, -23.79
CIE LCh	76, 24.435, 283.165
Yxy	50.4808, 0.2719, 0.2744
Android (android.graphics.Color)	4289706984 (0xFFAFBBE8)
YUV	188.5420, 21.4248, -11.8763
Hunter-Lab	71.0498, 1.3313, -19.9164

Details

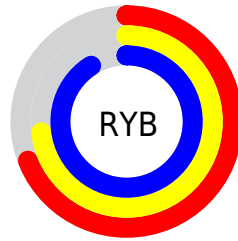
The Yxy color `50.4808, 0.2719, 0.2744` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `71.4682, 0.3526, 0.3782`, and the grayscale version is `50.5021, 0.3127, 0.3290`.

A 20% lighter version of the original color is `88.3101, 0.2981, 0.3169`, and `24.2497, 0.2608, 0.2608` is the 20% darker color. If you saturate the color by 10%, you get `40.7376, 0.2531, 0.2478`, and if you desaturate by 10%, it is `61.6819, 0.2895, 0.2985`.

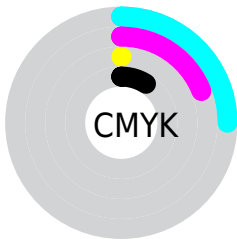
Distribution



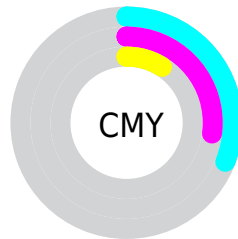
- Red (69%)
- Green (73%)
- Blue (91%)



- Red (69%)
- Yellow (73%)
- Blue (91%)



- Cyan (25%)
- Magenta (19%)
- Yellow (0%)
- Black (9%)



- Cyan (31%)
- Magenta (27%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.4808, 0.2719, 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 50.4808, 0.2719, 0.2744 by changing the saturation by 10% instead.

■ 50.4808, 0.2719,
0.2744

■ 50.4808, 0.2719,
0.2744

388.5432, 0.2919,
0.3007

■ 35.7956, 0.2671,
0.2682

■ 90.8868, 0.2790,
0.2837

■ 24.2764, 0.2610,
0.2604

117.3765, 0.2818,
0.2873

■ 15.5387, 0.2531,
0.2504

148.5696, 0.2841,
0.2903

■ 9.1984, 0.2424,
0.2370

184.8508, 0.2861,
0.2929

■ 4.8708, 0.2272,
0.2185

226.6044, 0.2878,
0.2952

■ 2.1716, 0.2044,
0.1912

274.2147, 0.2893,

■ 0.7045, 0.1675,

0.2973

0.1465

328.0662, 0.2907,
0.2991

0.0000, 0.0000,
0.0000

50.4808, 0.2719,
0.2744

50.4808, 0.2719,
0.2744

40.7376, 0.2531,
0.2478

61.6819, 0.2895,
0.2985

32.3853, 0.2337,
0.2193

74.3921, 0.3058,
0.3200

25.3608, 0.2145,
0.1895

88.6673, 0.3205,
0.3390

19.5933, 0.1963,
0.1599

98.6074, 0.3262,
0.3512

15.0053, 0.1803,
0.1320

■ 11.5098, 0.1676,
0.1075

■ 9.0064, 0.1588,
0.0878

■ 8.0016, 0.1554,
0.0794

Harmonies

Analogous

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



50.4808, 0.2542, 0.2822



50.4808, 0.2719, 0.2744



50.4808, 0.3010, 0.2799

Triad

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



50.4808, 0.2719, 0.2744



50.4808, 0.3784, 0.3491



50.4808, 0.2890, 0.3646

Complementary

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



50.4808, 0.2719, 0.2744



71.4682, 0.3526, 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.



50.4808, 0.3216, 0.3849



50.4808, 0.2719, 0.2744



50.4808, 0.3742, 0.3734

Square

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



50.4808, 0.2719, 0.2744



50.4808, 0.3638, 0.3216



50.4808, 0.3530, 0.3874



50.4808, 0.2636, 0.3337

Rectangle

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



50.4808, 0.2719, 0.2744



50.4808, 0.3236, 0.2902



50.4808, 0.3530, 0.3874



50.4808, 0.2995, 0.3731

Sweetspot

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



50.4828, 0.2719, 0.2744



88.1012, 0.3019, 0.3150



71.9919, 0.2834, 0.3434



18.6473, 0.3010, 0.3137



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.



50.4828, 0.2719, 0.2744



56.7925, 0.2634, 0.2625



47.5957, 0.2828, 0.2617



14.3752, 0.2980, 0.3099



4.5883, 0.1560, 0.0817



0.4718, 0.1633, 0.1079

Inverse Universe

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



51.4164, 0.3535, 0.3156



58.3401, 0.3637, 0.3130



75.4007, 0.3380, 0.3927



14.4173, 0.3259, 0.3241



9.6609, 0.6042, 0.3102



0.7273, 0.5641, 0.2881

Previews

White Background



This preview shows how the Yxy color 50.4808, 0.2719, 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 50.4808, 0.2719, 0.2744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

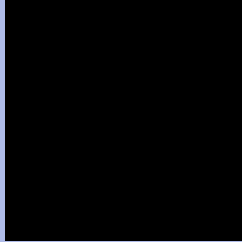
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.4808, 0.2719, 0.2744

Background



This preview shows how black text looks on a background with the Yxy color 50.4808, 0.2719, 0.2744.



This preview shows how white text looks on a background with the Yxy color 50.4808, 0.2719, 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

50.4808, 0.2719, 0.2744

Protanopia

50.4090, 0.2739, 0.2735

Deuteranopia

50.3545, 0.2774, 0.2706



Tritanopia

50.3126, 0.2850, 0.3085

Trichromacy



Original Color

50.4808, 0.2719, 0.2744

Protanomaly

50.2911, 0.2732, 0.2734

Deuteranomaly

50.4049, 0.2753, 0.2715

Tritanomaly

50.5554, 0.2803, 0.2964

Monochromacy



Original Color

50.4808, 0.2719, 0.2744

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.5646, 0.2969, 0.3078

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.4808, 0.2719, 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(175, 187, 232)` looks like.

```
.text, #text, p{  
    color:rgb(175, 187, 232)  
}
```

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(175, 187, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 187, 232) }
```

Border

The CSS property to change the border of an element to Yxy 50.4808, 0.2719, 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(175, 187, 232) }
```

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

```
.border{ border-color:rgb(175, 187, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 187, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 187, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 187, 232);  
box-shadow:4px 4px 4px 4px rgb(175, 187,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 50.4808, 0.2719, 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(175, 187, 232) }
```

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

```
.background{ background-color: rgb(175,  
187, 232) }
```

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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