

Converting Colors

$Y_{xy}(50.7632, 0.2709, 0.2524)$

Have a look what the booklet for
Yxy(50.7632, 0.2709, 0.2524)
contains.

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Color

Yxy(50.6439, 0.2712, 0.2522)

Conversions

Conversions Part 1

Format	Color
Hex	BDB5F8
RGB	189, 181, 248
RGB Percent	74%, 71%, 97%
CMY	0.2587, 0.2902, 0.0275
CMYK	0.24, 0.27, 0.00, 0.03
HSL	247°, 83%, 84%
HSV	247°, 27%, 97%
XYZ	54.4593, 50.6439, 95.7053
YIQ	191.0300, -16.7390, 22.5330

Conversions

Conversions Part 2

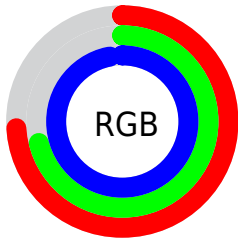
Format	Color
RYB	189, 181, 248
Decimal	12432888
CIELab	76.46, 16.74, -32.16
CIELCh	76, 36.259, 297.495
Yxy	50.6439, 0.2712, 0.2522
Android (android.graphics.Color)	4290622968 (0xFFBDB5F8)
YUV	191.0300, 28.0862, -1.7803
Hunter-Lab	71.1645, 12.0607, -29.9207

Details

The Yxy color $50.6439, 0.2712, 0.2522$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $88.9823, 0.3481, 0.3980$, and the grayscale version is $51.9639, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.3812, 0.3076, 0.3114$, and $24.2683, 0.2597, 0.2339$ is the 20% darker color. If you saturate the color by 10%, you get $38.8584, 0.2525, 0.2187$, and if you desaturate by 10%, it is $64.6482, 0.2882, 0.2832$.

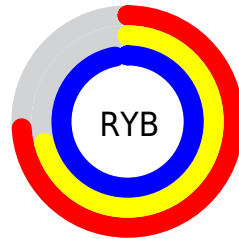
Distribution



Red (74%)

Green (71%)

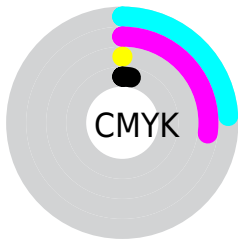
Blue (97%)



Red (74%)

Yellow (71%)

Blue (97%)

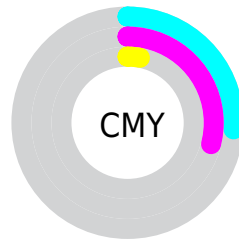


Cyan (24%)

Magenta (27%)

Yellow (0%)

Black (3%)



Cyan (26%)

Magenta (29%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.6439, 0.2712, 0.2522 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 50.6439, 0.2712, 0.2522 by changing the saturation by 10% instead.

■ 50.6439, 0.2712,
0.2522

■ 50.6439, 0.2712,
0.2522

389.1787, 0.2917,
0.2881

■ 35.9253, 0.2662,
0.2440

■ 91.1282, 0.2786,
0.2647

■ 24.3765, 0.2599,
0.2338

117.6626, 0.2814,
0.2696

■ 15.6131, 0.2518,
0.2211

148.9045, 0.2837,
0.2737

■ 9.2508, 0.2408,
0.2045

185.2382, 0.2858,
0.2774

■ 4.9051, 0.2254,
0.1824

227.0480, 0.2876,
0.2806

■ 2.1917, 0.2026,
0.1519

274.7184, 0.2891,

■ 0.7155, 0.1667,

0.2834

0.1071

328.6339, 0.2905,
0.2859

■ 0.0000, 0.0170,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.6439, 0.2712,
0.2522

■ 50.6439, 0.2712,
0.2522

■ 38.8584, 0.2525,
0.2187

■ 64.6482, 0.2882,
0.2832

■ 29.1717, 0.2325,
0.1840

■ 80.9708, 0.3033,
0.3113

■ 21.4618, 0.2123,
0.1499

■ 99.4627, 0.3165,
0.3357

■ 15.5913, 0.1932,
0.1186

■ 99.5569, 0.3168,
0.3357

■ 11.4055, 0.1765,
0.0927

■ 8.7236, 0.1637,
0.0743

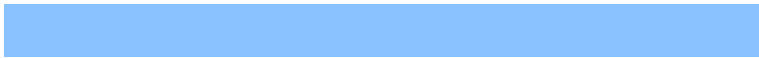
■ 7.3179, 0.1553,
0.0640

■ 7.0496, 0.1536,
0.0620

Harmonies

Analogous

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



50.6439, 0.2377, 0.2531



50.6439, 0.2712, 0.2522



50.6439, 0.3185, 0.2684

Triad

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



50.6439, 0.2712, 0.2522



50.6439, 0.4105, 0.3743



50.6439, 0.2577, 0.3609

Complementary

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



50.6439, 0.2712, 0.2522



88.9823, 0.3481, 0.3980

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.



50.6439, 0.3011, 0.4025



50.6439, 0.2712, 0.2522



50.6439, 0.3903, 0.4058

Square

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



50.6439, 0.2712, 0.2522



50.6439, 0.4025, 0.3355



50.6439, 0.3497, 0.4185



50.6439, 0.2302, 0.3118

Rectangle

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



50.6439, 0.2712, 0.2522



50.6439, 0.3521, 0.2870



50.6439, 0.3497, 0.4185



50.6439, 0.2708, 0.3767

Sweetspot

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



50.6459, 0.2712, 0.2522



84.4210, 0.3019, 0.3086



79.0239, 0.2724, 0.3203



17.4822, 0.2997, 0.3045



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.



50.6459, 0.2712, 0.2522



47.3526, 0.2620, 0.2356



55.4006, 0.2959, 0.2574



16.7428, 0.2997, 0.3046



3.8393, 0.1543, 0.0624



0.3865, 0.1622, 0.0667

Inverse Universe

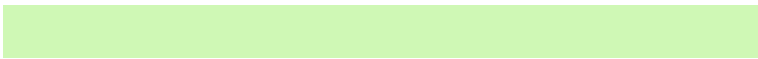
The Inverse Universe completely reimagines the original color for something new.



59.2884, 0.3220, 0.2691



57.9056, 0.3241, 0.2579



83.6853, 0.3255, 0.4032



17.4866, 0.3156, 0.3084



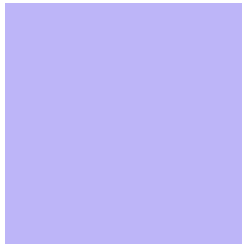
13.5350, 0.3538, 0.1723



1.2634, 0.3493, 0.1698

Previews

White Background



This preview shows how the Yxy color 50.6439, 0.2712, 0.2522 looks on a white background.

Color Contrast Check

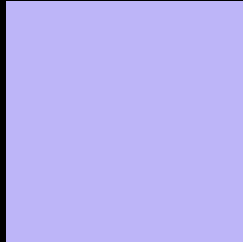
Large Text (above 18pt) WCAG AA × Fail

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 50.6439, 0.2712, 0.2522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

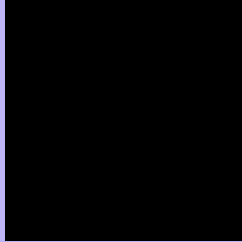
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.6439, 0.2712, 0.2522

Background



This preview shows how black text looks on a background with the Yxy color 50.6439, 0.2712, 0.2522.



This preview shows how white text looks on a background with the Yxy color 50.6439, 0.2712, 0.2522.

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

50.6439, 0.2712, 0.2522

Protanopia

50.6921, 0.2565, 0.2515

Deuteranopia

50.5273, 0.2625, 0.2560



Tritanopia

50.5786, 0.2953, 0.3101

Trichromacy



Original Color

50.6439, 0.2712, 0.2522

Protanomaly

50.5931, 0.2614, 0.2510

Deuteranomaly

50.6997, 0.2658, 0.2555

Tritanomaly

50.4755, 0.2863, 0.2876

Monochromacy



Original Color

50.6439, 0.2712, 0.2522

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

51.2413, 0.2965, 0.2986

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6439, 0.2712, 0.2522 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(189, 181, 248)` looks like.

```
.text, #text, p{  
    color:rgb(189, 181, 248)  
}
```

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(189, 181, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 181, 248) }
```

Border

The CSS property to change the border of an element to Yxy 50.6439, 0.2712, 0.2522 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(189, 181, 248) }
```

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

```
.border{ border-color:rgb(189, 181, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 181, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 181, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 181, 248);  
box-shadow:4px 4px 4px 4px rgb(189, 181,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6439, 0.2712, 0.2522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 181, 248) }
```

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

```
.background{ background-color: rgb(189,  
181, 248) }
```

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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