

Converting Colors

$Y_{xy}(50.2493, 0.2736, 0.2577)$

Have a look what the booklet for
Yxy(50.2493, 0.2736, 0.2577)
contains.

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Color

Yxy(50.2102, 0.2736, 0.2571)

Conversions

Conversions Part 1

Format	Color
Hex	BCB5F3
RGB	188, 181, 243
RGB Percent	74%, 71%, 95%
CMY	0.2628, 0.2901, 0.0471
CMYK	0.23, 0.26, 0.00, 0.05
HSL	247°, 72%, 83%
HSV	247°, 26%, 95%
XYZ	53.4326, 50.2102, 91.6517
YIQ	190.1610, -15.7300, 20.7660

Conversions

Conversions Part 2

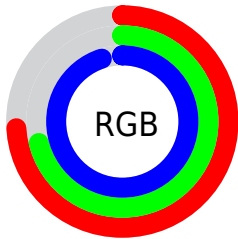
Format	Color
R _Y B	188, 181, 243
Decimal	12367347
CIE Lab	76.20, 15.25, -29.88
CIE LCh	76, 33.545, 297.049
Yxy	50.2102, 0.2736, 0.2571
Android (android.graphics.Color)	4290557427 (0xFFBCB5F3)
YUV	190.1610, 26.0496, -1.8952
Hunter-Lab	70.8592, 10.5975, -27.0863

Details

The Yxy color $50.2102, 0.2736, 0.2571$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $85.2619, 0.3464, 0.3939$, and the grayscale version is $51.4430, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.2009, 0.3070, 0.3113$, and $24.0945, 0.2629, 0.2388$ is the 20% darker color. If you saturate the color by 10%, you get $38.6393, 0.2550, 0.2239$, and if you desaturate by 10%, it is $63.9176, 0.2905, 0.2877$.

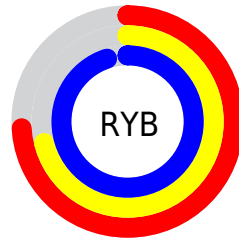
Distribution



Red (74%)

Green (71%)

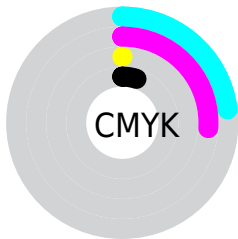
Blue (95%)



Red (74%)

Yellow (71%)

Blue (95%)

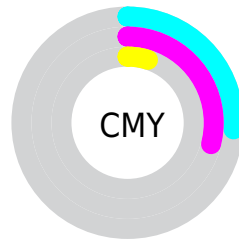


Cyan (23%)

Magenta (26%)

Yellow (0%)

Black (5%)



Cyan (26%)

Magenta (29%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.2102, 0.2736, 0.2571 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 50.2102, 0.2736, 0.2571 by changing the saturation by 10% instead.

■ 50.2102, 0.2736,
0.2571

■ 50.2102, 0.2736,
0.2571

387.4874, 0.2930,
0.2910

■ 35.5804, 0.2689,
0.2493

■ 90.4862, 0.2806,
0.2689

■ 24.1103, 0.2629,
0.2396

116.9013, 0.2832,
0.2735

■ 15.4155, 0.2551,
0.2274

148.0136, 0.2854,
0.2774

■ 9.1115, 0.2446,
0.2114

184.2075, 0.2874,
0.2809

■ 4.8140, 0.2298,
0.1899

225.8675, 0.2891,
0.2838

■ 2.1385, 0.2075,
0.1597

273.3778, 0.2905,


■ 0.6862, 0.1721,


0.2865


0.1138


327.1230, 0.2918,
0.2888

 0.0000, 0.0000,
0.0000


 50.2102, 0.2736,
0.2571


 50.2102, 0.2736,
0.2571


 38.6393, 0.2550,
0.2239


 63.9176, 0.2905,
0.2877


 29.0913, 0.2351,
0.1893


 79.8555, 0.3054,
0.3152

 21.4513, 0.2148,
0.1548

 98.1194, 0.3183,
0.3396

 15.5903, 0.1953,
0.1229

 99.2498, 0.3197,
0.3405

 11.3631, 0.1782,
0.0960

■ 8.6017, 0.1648,
0.0764

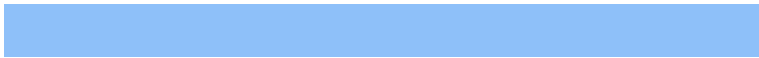
■ 7.1006, 0.1559,
0.0649

■ 6.7067, 0.1533,
0.0618

Harmonies

Analogous

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



50.2102, 0.2424, 0.2584



50.2102, 0.2736, 0.2571



50.2102, 0.3175, 0.2721

Triad

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



50.2102, 0.2736, 0.2571



50.2102, 0.4036, 0.3712



50.2102, 0.2622, 0.3593

Complementary

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



50.2102, 0.2736, 0.2571



85.2619, 0.3464, 0.3939

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.



50.2102, 0.3028, 0.3972



50.2102, 0.2736, 0.2571



50.2102, 0.3854, 0.4003

Square

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



50.2102, 0.2736, 0.2571



50.2102, 0.3957, 0.3349



50.2102, 0.3481, 0.4118



50.2102, 0.2360, 0.3140

Rectangle

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



50.2102, 0.2736, 0.2571



50.2102, 0.3487, 0.2894



50.2102, 0.3481, 0.4118



50.2102, 0.2745, 0.3737

Sweetspot

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



50.2122, 0.2736, 0.2571



84.3936, 0.3018, 0.3086



76.7380, 0.2746, 0.3220



17.4754, 0.2996, 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.



50.2122, 0.2736, 0.2571



48.5437, 0.2634, 0.2389



54.4595, 0.2963, 0.2616



16.0158, 0.2997, 0.3046



3.7099, 0.1540, 0.0622



0.3546, 0.1619, 0.0665

Inverse Universe

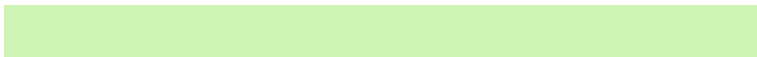
The Inverse Universe completely reimagines the original color for something new.



58.1627, 0.3210, 0.2721



58.9525, 0.3232, 0.2595



80.5187, 0.3255, 0.3984



16.7344, 0.3155, 0.3083



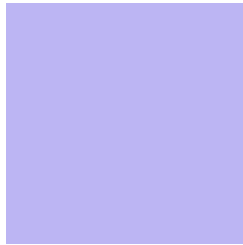
13.1836, 0.3514, 0.1710



1.1677, 0.3471, 0.1686

Previews

White Background



This preview shows how the Yxy color 50.2102, 0.2736, 0.2571 looks on a white background.

Color Contrast Check

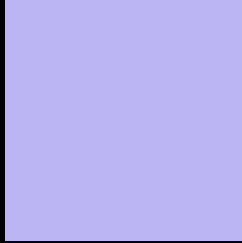
Large Text (above 18pt) WCAG AA × Fail

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 50.2102, 0.2736, 0.2571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

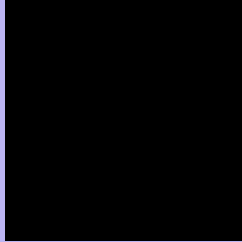
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.2102, 0.2736, 0.2571

Background



This preview shows how black text looks on a background with the Yxy color 50.2102, 0.2736, 0.2571.



This preview shows how white text looks on a background with the Yxy color 50.2102, 0.2736, 0.2571.

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

50.2102, 0.2736, 0.2571

Protanopia

50.4296, 0.2606, 0.2578

Deuteranopia

50.4558, 0.2669, 0.2614



Tritanopia

50.1020, 0.2960, 0.3101

Trichromacy



Original Color

50.2102, 0.2736, 0.2571

Protanomaly

50.2207, 0.2650, 0.2571

Deuteranomaly

50.5155, 0.2696, 0.2607

Tritanomaly

49.9502, 0.2876, 0.2886

Monochromacy



Original Color

50.2102, 0.2736, 0.2571

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

50.9629, 0.2979, 0.3020

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.2102, 0.2736, 0.2571 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(188, 181, 243)` looks like.

```
.text, #text, p{  
    color:rgb(188, 181, 243)  
}
```

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(188, 181, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 181, 243) }
```

Border

The CSS property to change the border of an element to Yxy 50.2102, 0.2736, 0.2571 is called "border". The border property can be set on classes, ids or directly on the HTML element.

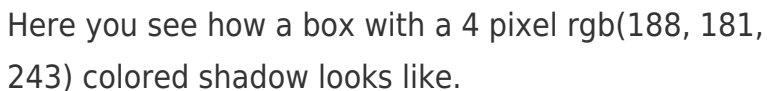
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 181, 243) }
```

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

```
.border{ border-color:rgb(188, 181, 243) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 181, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 181, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 181, 243);  
box-shadow:4px 4px 4px 4px rgb(188, 181,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 50.2102, 0.2736, 0.2571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 181, 243) }
```

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

```
.background{ background-color: rgb(188,  
181, 243) }
```

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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