

Converting Colors

$Y_{xy}(21.3824, 0.2638, 0.1563)$

Have a look what the booklet for
Yxy(21.3824, 0.2638, 0.1563)
contains.

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Color

Yxy(21.3828, 0.2638, 0.1563)

Conversions

Conversions Part 1

Format	Color
Hex	B252E9
RGB	178, 82, 233
RGB Percent	70%, 32%, 91%
CMY	0.3019, 0.6785, 0.0862
CMYK	0.24, 0.65, 0.00, 0.09
HSL	278°, 77%, 62%
HSV	278°, 65%, 91%
XYZ	36.0895, 21.3828, 79.3339
YIQ	127.9180, 8.7450, 67.3130

Conversions

Conversions Part 2

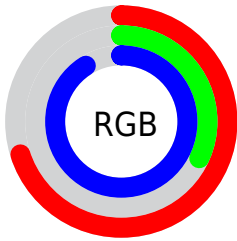
Format	Color
R_{YB}	178, 82, 233
Decimal	11686633
CIE _{Lab}	53.37, 63.07, -60.37
CIE _{LCh}	53, 87.309, 316.253
Yxy	21.3828, 0.2638, 0.1563
Android (android.graphics.Color)	4289876713 (0xFFB252E9)
YUV	127.9180, 51.8054, 43.9219
Hunter-Lab	46.2415, 58.3886, -69.3513

Details

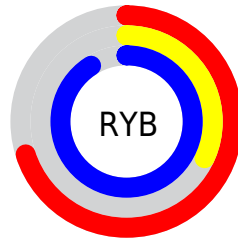
The Yxy color **21.3828, 0.2638, 0.1563** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **64.2192, 0.3321, 0.5203**, and the grayscale version is **21.3711, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1158, 0.3025, 0.2106**, and **7.7359, 0.2443, 0.1182** is the 20% darker color. If you saturate the color by 10%, you get **17.4733, 0.2538, 0.1355**, and if you desaturate by 10%, it is **26.5487, 0.2735, 0.1808**.

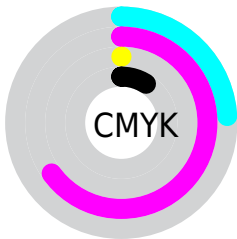
Distribution



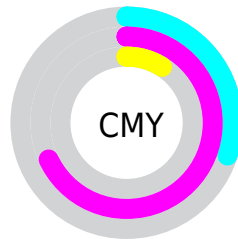
- Red (70%)
- Green (32%)
- Blue (91%)



- Red (70%)
- Yellow (32%)
- Blue (91%)



- Cyan (24%)
- Magenta (65%)
- Yellow (0%)
- Black (9%)





- Cyan (30%)
- Magenta (68%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3828, 0.2638, 0.1563 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 21.3828, 0.2638, 0.1563 by changing the saturation by 10% instead.


 21.3828, 0.2638,
0.1563


 21.3828, 0.2638,
0.1563


259.3059, 0.2936,
0.2374


 13.4041, 0.2551,
0.1386


 45.7238, 0.2757,
0.1840


 7.7074, 0.2434,
0.1175


 62.8548, 0.2799,
0.1950


 3.9083, 0.2272,
0.0926


 83.8054, 0.2833,
0.2045

 1.6224, 0.2040,
0.0638

 108.9600, 0.2861,
0.2128

 0.3726, 0.1711,
0.0266

 138.7030, 0.2884,
0.2200

 0.0000, 0.1213,
0.0000

173.4187, 0.2904,

 0.0000, 0.0000,

0.2265

0.0000

213.4915, 0.2922,
0.2322

■ 21.3828, 0.2638,
0.1563

■ 21.3828, 0.2638,
0.1563

■ 17.4733, 0.2538,
0.1355

■ 26.5487, 0.2735,
0.1808

■ 14.6900, 0.2440,
0.1194

■ 33.0784, 0.2827,
0.2078

■ 12.8778, 0.2346,
0.1083

■ 41.0703, 0.2911,
0.2359

■ 12.1942, 0.2300,
0.1041

■ 50.6130, 0.2985,
0.2640

■ 61.7878, 0.3049,
0.2913

74.6701, 0.3104,
0.3172

89.3309, 0.3150,
0.3412

96.9816, 0.3198,
0.3506

98.5510, 0.3252,
0.3503

Harmonies

Analogous

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



21.3828, 0.1591, 0.1323



21.3828, 0.2638, 0.1563



21.3828, 0.4215, 0.2096

Triad

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



21.3828, 0.2638, 0.1563



21.3828, 0.5318, 0.4575



21.3828, 0.1088, 0.3071

Complementary

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



21.3828, 0.2638, 0.1563



64.2192, 0.3321, 0.5203

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.



21.3828, 0.1779, 0.5091



21.3828, 0.2638, 0.1563



21.3828, 0.4175, 0.5673

Square

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



21.3828, 0.2638, 0.1563



21.3828, 0.5968, 0.3616



21.3828, 0.2920, 0.6253



21.3828, 0.0901, 0.1865

Rectangle

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



21.3828, 0.2638, 0.1563



21.3828, 0.5247, 0.2570



21.3828, 0.2920, 0.6253



21.3828, 0.1254, 0.3691

Sweetspot

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



21.3836, 0.2638, 0.1563



69.6932, 0.3023, 0.2798



25.6741, 0.2037, 0.1923



14.0829, 0.3004, 0.2719



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.



21.3836, 0.2638, 0.1563



20.0705, 0.2503, 0.1292



28.1589, 0.3412, 0.1976



15.0236, 0.3080, 0.3054



6.9901, 0.2313, 0.1048



0.6030, 0.2437, 0.1116

Inverse Universe

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



25.1668, 0.4440, 0.2716



25.6710, 0.4885, 0.2692



61.0468, 0.2953, 0.5147



15.1447, 0.3236, 0.3204



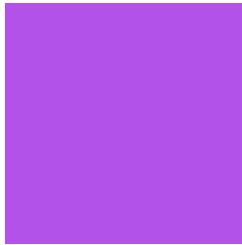
10.2225, 0.5518, 0.2813



0.8206, 0.5137, 0.2604

Previews

White Background



This preview shows how the Yxy color 21.3828, 0.2638, 0.1563 looks on a white background.

Color Contrast Check

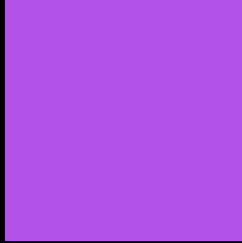
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3828, 0.2638, 0.1563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

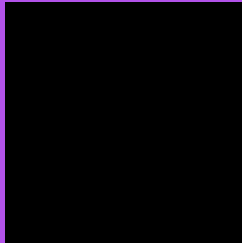
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3828, 0.2638, 0.1563

Background



This preview shows how black text looks on a background with the Yxy color 21.3828, 0.2638, 0.1563.



This preview shows how white text looks on a background with the Yxy color 21.3828, 0.2638, 0.1563.

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

21.3828, 0.2638, 0.1563

Protanopia

21.7792, 0.1784, 0.1501

Deuteranopia

21.6632, 0.1907, 0.1842



Tritanopia

21.1903, 0.3604, 0.3147

Trichromacy



Original Color

21.3828, 0.2638, 0.1563



Protanomaly

19.5152, 0.1924, 0.1434



Deuteranomaly

19.5141, 0.2041, 0.1641



Tritanomaly

20.5963, 0.3206, 0.2402

Monochromacy



Original Color

21.3828, 0.2638, 0.1563



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

20.2330, 0.2930, 0.2428

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3828, 0.2638, 0.1563 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(178, 82, 233)` looks like.

```
.text, #text, p{  
    color:rgb(178, 82, 233)  
}
```

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(178, 82, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 82, 233) }
```

Border

The CSS property to change the border of an element to Yxy 21.3828, 0.2638, 0.1563 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(178, 82, 233) }
```

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

```
.border{ border-color:rgb(178, 82, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 82, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 82, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 82, 233);  
box-shadow:4px 4px 4px 4px rgb(178, 82,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3828, 0.2638, 0.1563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 82, 233) }
```

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

```
.background{ background-color: rgb(178, 82,  
233) }
```

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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