

Converting Colors

$Y_{xy}(33.8025, 0.2539, 0.2007)$

Have a look what the booklet for
Yxy(33.8025, 0.2539, 0.2007)
contains.

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Color

Yxy(33.7770, 0.2541, 0.2012)

Conversions

Conversions Part 1

Format	Color
Hex	AB8BF6
RGB	171, 139, 246
RGB Percent	67%, 55%, 96%
CMY	0.3294, 0.4549, 0.0354
CMYK	0.30, 0.43, 0.00, 0.04
HSL	258°, 86%, 75%
HSV	258°, 43%, 96%
XYZ	42.6577, 33.7770, 91.4430
YIQ	160.7660, -15.2750, 40.0610

Conversions

Conversions Part 2

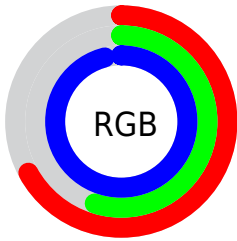
Format	Color
R_{YB}	171, 139, 246
Decimal	11242486
CIE _{Lab}	64.79, 34.60, -49.41
CIE _{LCh}	65, 60.322, 305.005
Yxy	33.7770, 0.2541, 0.2012
Android (android.graphics.Color)	4289432566 (0xFFAB8BF6)
YUV	160.7660, 42.0204, 8.9752
Hunter-Lab	58.1180, 29.3099, -52.6045

Details

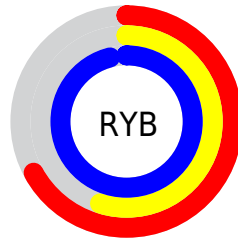
The Yxy color **33.7770, 0.2541, 0.2012** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **82.0590, 0.3547, 0.4454**, and the grayscale version is **35.3342, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.0179, 0.2963, 0.2646**, and **14.2984, 0.2353, 0.1704** is the 20% darker color. If you saturate the color by 10%, you get **25.6262, 0.2370, 0.1688**, and if you desaturate by 10%, it is **43.7853, 0.2702, 0.2337**.

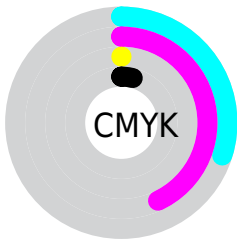
Distribution



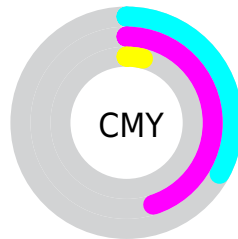
- Red (67%)
- Green (55%)
- Blue (96%)



- Red (67%)
- Yellow (55%)
- Blue (96%)



- Cyan (30%)
- Magenta (43%)
- Yellow (0%)
- Black (4%)




- Cyan (33%)
- Magenta (45%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7770, 0.2541, 0.2012 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 33.7770, 0.2541, 0.2012 by changing the saturation by 10% instead.


 33.7770, 0.2541,
0.2012


 33.7770, 0.2541,
0.2012

319.1366, 0.2852,
0.2614


 22.7223, 0.2461,
0.1876


 65.5867, 0.2656,
0.2221

 14.3886, 0.2358,
0.1710


 87.1106, 0.2699,
0.2302

 8.3914, 0.2222,
0.1505

 112.8930, 0.2735,
0.2372

 4.3464, 0.2036,
0.1249

143.3183, 0.2766,
0.2433

 1.8692, 0.1773,
0.0931

178.7709, 0.2792,
0.2487

 0.5297, 0.1398,
0.0509

219.6352, 0.2815,

 0.0000, 0.0647,

0.2534

0.0000

266.2956, 0.2834,
0.2577

0.0000, 0.0000,
0.0000

33.7770, 0.2541,
0.2012

33.7770, 0.2541,
0.2012

25.6262, 0.2370,
0.1688

43.7853, 0.2702,
0.2337

19.2106, 0.2195,
0.1382

55.7551, 0.2849,
0.2649

14.3989, 0.2027,
0.1115

69.7871, 0.2979,
0.2939

11.0383, 0.1876,
0.0905

85.9739, 0.3092,
0.3204

8.9447, 0.1751,
0.0763

99.4326, 0.3179,
0.3376

■ 8.0905, 0.1686,
0.0702

Harmonies

Analogous

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



33.7770, 0.1916, 0.1928



33.7770, 0.2541, 0.2012



33.7770, 0.3444, 0.2339

Triad

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



33.7770, 0.2541, 0.2012



33.7770, 0.4857, 0.4134



33.7770, 0.1954, 0.3629

Complementary

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



33.7770, 0.2541, 0.2012



82.0590, 0.3547, 0.4454

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.



33.7770, 0.2632, 0.4623



33.7770, 0.2541, 0.2012



33.7770, 0.4307, 0.4743

Square

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



33.7770, 0.2541, 0.2012



33.7770, 0.4918, 0.3475



33.7770, 0.3495, 0.5033



33.7770, 0.1615, 0.2689

Rectangle

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



33.7770, 0.2541, 0.2012



33.7770, 0.4087, 0.2667



33.7770, 0.3495, 0.5033



33.7770, 0.2146, 0.3986

Sweetspot

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



33.7783, 0.2541, 0.2012



76.4989, 0.2984, 0.2952



61.0862, 0.2475, 0.2922



15.6056, 0.2957, 0.2890



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.



33.7783, 0.2541, 0.2012



28.9239, 0.2394, 0.1732



40.7777, 0.2974, 0.2156



16.1668, 0.3026, 0.3049



4.3825, 0.1700, 0.0710



0.4363, 0.1831, 0.0782

Inverse Universe

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



42.9124, 0.3471, 0.2509



40.2019, 0.3565, 0.2367



75.4645, 0.3200, 0.4595



16.6789, 0.3184, 0.3125



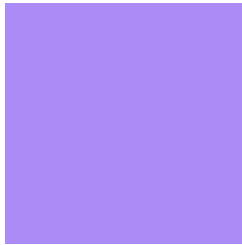
12.0828, 0.4143, 0.2056



1.0800, 0.3997, 0.1976

Previews

White Background



This preview shows how the Yxy color 33.7770, 0.2541, 0.2012 looks on a white background.

Color Contrast Check

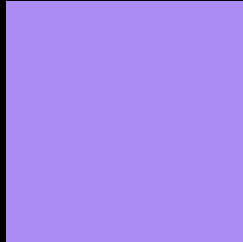
Large Text (above 18pt) WCAG AA × Fail

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 33.7770, 0.2541, 0.2012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

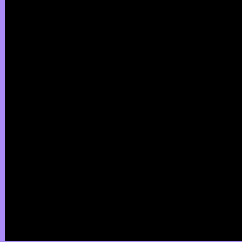
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7770, 0.2541, 0.2012

Background



This preview shows how black text looks on a background with the Yxy color 33.7770, 0.2541, 0.2012.

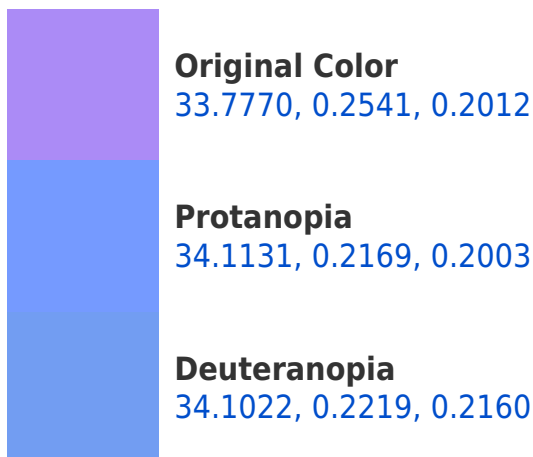


This preview shows how white text looks on a background with the Yxy color 33.7770, 0.2541, 0.2012.

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





Tritanopia

33.7094, 0.3011, 0.3099

Trichromacy



Original Color

33.7770, 0.2541, 0.2012

Protanomaly

33.8415, 0.2285, 0.2002

Deuteranomaly

33.4347, 0.2320, 0.2092

Tritanomaly

33.4210, 0.2821, 0.2642

Monochromacy



Original Color

33.7770, 0.2541, 0.2012

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

34.5876, 0.2899, 0.2753

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7770, 0.2541, 0.2012 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(171, 139, 246)` looks like.

```
.text, #text, p{  
    color:rgb(171, 139, 246)  
}
```

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(171, 139, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 139, 246) }
```

Border

The CSS property to change the border of an element to Yxy 33.7770, 0.2541, 0.2012 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(171, 139, 246) }
```

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

```
.border{ border-color:rgb(171, 139, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 139, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 139, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 139, 246); box-shadow:4px 4px 4px 4px rgb(171, 139, 246) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7770, 0.2541, 0.2012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 139, 246) }
```

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

```
.background{ background-color: rgb(171,  
139, 246) }
```

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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