

Converting Colors

$Y_{xy}(35.3078, 0.2492, 0.2086)$

Have a look what the booklet for
Yxy(35.3078, 0.2492, 0.2086)
contains.

Yxy(35.3078, 0.2492, 0.2086)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.3078, 0.2492, 0.2086)

Conversions

Conversions Part 1

Format	Color
Hex	A393F6
RGB	163, 147, 246
RGB Percent	64%, 58%, 96%
CMY	0.3606, 0.4236, 0.0353
CMYK	0.34, 0.40, 0.00, 0.04
HSL	250°, 85%, 77%
HSV	250°, 40%, 96%
XYZ	42.1798, 35.3078, 91.7732
YIQ	163.0700, -22.2430, 34.1810

Conversions

Conversions Part 2

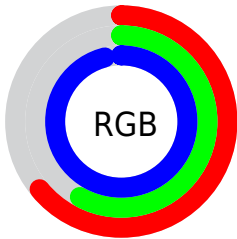
Format	Color
RYB	163, 147, 246
Decimal	10720246
CIELab	65.99, 27.99, -47.56
CIELCh	66, 55.186, 300.472
Yxy	35.3078, 0.2492, 0.2086
Android (android.graphics.Color)	4288910326 (0xFFA393F6)
YUV	163.0700, 40.8845, -0.0614
Hunter-Lab	59.4204, 22.7233, -49.9776

Details

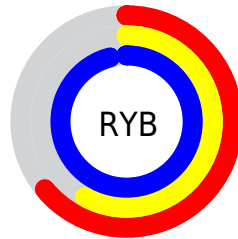
The Yxy color **35.3078, 0.2492, 0.2086** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **84.8220, 0.3616, 0.4330**, and the grayscale version is **36.4757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2089, 0.2900, 0.2720**, and **15.2280, 0.2305, 0.1795** is the 20% darker color. If you saturate the color by 10%, you get **26.4585, 0.2298, 0.1743**, and if you desaturate by 10%, it is **46.1496, 0.2676, 0.2422**.

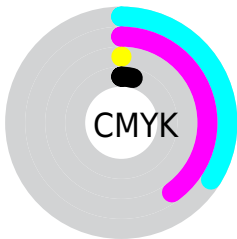
Distribution



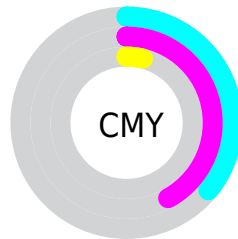
- Red (64%)
- Green (58%)
- Blue (96%)



- Red (64%)
- Yellow (58%)
- Blue (96%)



- Cyan (34%)
- Magenta (40%)
- Yellow (0%)
- Black (4%)




- Cyan (36%)
- Magenta (42%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3078, 0.2492, 0.2086 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 35.3078, 0.2492, 0.2086 by changing the saturation by 10% instead.


 35.3078, 0.2492,
0.2086

 35.3078, 0.2492,
0.2086

325.9249, 0.2822,
0.2657

 23.9001, 0.2409,
0.1956


 67.9623, 0.2613,
0.2285

 15.2595, 0.2302,
0.1796


 89.9779, 0.2659,
0.2362

 9.0017, 0.2162,
0.1598


116.2982, 0.2697,
0.2429

 4.7423, 0.1973,
0.1348

147.3077, 0.2729,
0.2486

 2.0969, 0.1708,
0.1032

183.3907, 0.2757,
0.2537

 0.6629, 0.1331,
0.0627

224.9316, 0.2782,

 0.0000, 0.0569,

0.2582

0.0000

272.3149, 0.2803,
0.2621

0.0000, 0.0000,
0.0000

35.3078, 0.2492,
0.2086

35.3078, 0.2492,
0.2086

26.4585, 0.2298,
0.1743

46.1496, 0.2676,
0.2422

19.4754, 0.2102,
0.1413

59.0919, 0.2844,
0.2738

14.2239, 0.1919,
0.1117

74.2395, 0.2994,
0.3026

10.5490, 0.1760,
0.0881

91.6890, 0.3124,
0.3284

8.2678, 0.1639,
0.0720

99.4333, 0.3179,
0.3376

■ 7.1031, 0.1560,
0.0633

Harmonies

Analogous

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



35.3078, 0.1955, 0.2049



35.3078, 0.2492, 0.2086



35.3078, 0.3286, 0.2359

Triad

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



35.3078, 0.2492, 0.2086



35.3078, 0.4748, 0.3999



35.3078, 0.2139, 0.3745

Complementary

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



35.3078, 0.2492, 0.2086



84.8220, 0.3616, 0.4330

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.



35.3078, 0.2805, 0.4573



35.3078, 0.2492, 0.2086



35.3078, 0.4316, 0.4559

Square

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



35.3078, 0.2492, 0.2086



35.3078, 0.4706, 0.3390



35.3078, 0.3602, 0.4854



35.3078, 0.1766, 0.2867

Rectangle

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



35.3078, 0.2492, 0.2086



35.3078, 0.3870, 0.2649



35.3078, 0.3602, 0.4854



35.3078, 0.2333, 0.4054

Sweetspot

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



35.3091, 0.2492, 0.2086



77.4652, 0.2969, 0.2977



70.0856, 0.2545, 0.3114



16.1027, 0.2950, 0.2940



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.



35.3091, 0.2492, 0.2086



30.6067, 0.2340, 0.1817



41.4155, 0.2877, 0.2206



16.0559, 0.3004, 0.3047



3.8309, 0.1569, 0.0638



0.3736, 0.1670, 0.0693

Inverse Universe

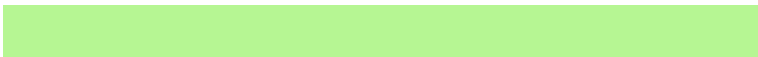
The Inverse Universe completely reimagines the original color for something new.



46.1629, 0.3313, 0.2439



43.9314, 0.3359, 0.2285



77.9135, 0.3282, 0.4454



16.7194, 0.3163, 0.3094



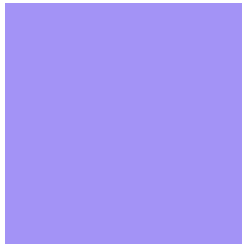
12.8558, 0.3668, 0.1794



1.1420, 0.3601, 0.1757

Previews

White Background



This preview shows how the Yxy color 35.3078, 0.2492, 0.2086 looks on a white background.

Color Contrast Check

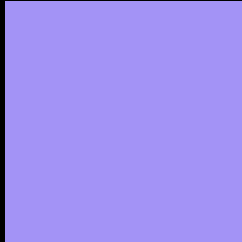
Large Text (above 18pt) WCAG AA × Fail

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 35.3078, 0.2492, 0.2086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

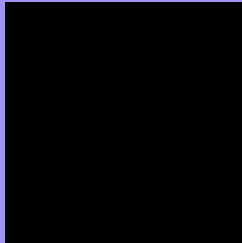
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.3078, 0.2492, 0.2086

Background



This preview shows how black text looks on a background with the Yxy color 35.3078, 0.2492, 0.2086.



This preview shows how white text looks on a background with the Yxy color 35.3078, 0.2492, 0.2086.

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

35.3078, 0.2492, 0.2086

Protanopia

35.5449, 0.2209, 0.2051

Deuteranopia

35.6057, 0.2255, 0.2200



Tritanopia

35.2317, 0.2890, 0.3098

Trichromacy



Original Color

35.3078, 0.2492, 0.2086

Protanomaly

35.2140, 0.2300, 0.2054

Deuteranomaly

35.2086, 0.2333, 0.2150

Tritanomaly

35.1033, 0.2728, 0.2680

Monochromacy



Original Color

35.3078, 0.2492, 0.2086

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

35.7507, 0.2875, 0.2794

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3078, 0.2492, 0.2086 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(163, 147, 246)` looks like.

```
.text, #text, p{  
    color:rgb(163, 147, 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(163, 147, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 147, 246) }
```

Border

The CSS property to change the border of an element to Yxy 35.3078, 0.2492, 0.2086 is called "border". The border property can be set on classes, ids or directly on the HTML element.

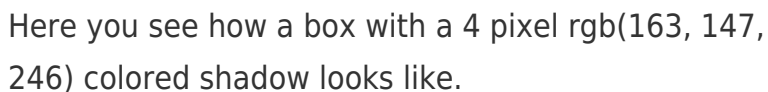
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(163, 147, 246) }
```

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

```
.border{ border-color:rgb(163, 147, 246) }
```

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



Here you see how a box with a 4 pixel `rgb(163, 147, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 147, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 147, 246); box-shadow:4px 4px 4px 4px rgb(163, 147, 246) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3078, 0.2492, 0.2086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 147, 246) }
```

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

```
.background{ background-color: rgb(163,  
147, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor