

Converting Colors

$Y_{xy}(35.6739, 0.2445, 0.1998)$

Have a look what the booklet for
Yxy(35.6739, 0.2445, 0.1998)
contains.

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Color

Yxy(35.6703, 0.2445, 0.1998)

Conversions

Conversions Part 1

Format	Color
Hex	A492FF
RGB	164, 146, 255
RGB Percent	64%, 57%, 100%
CMY	0.3566, 0.4275, 0.0000
CMYK	0.36, 0.43, 0.00, 0.00
HSL	250°, 100%, 79%
HSV	250°, 43%, 100%
XYZ	43.6506, 35.6703, 99.2091
YIQ	163.8080, -24.2610, 37.7150

Conversions

Conversions Part 2

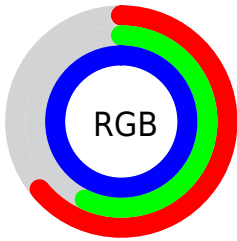
Format	Color
RYB	164, 146, 255
Decimal	10785535
CIELab	66.27, 31.16, -52.05
CIELCh	66, 60.668, 300.908
Yxy	35.6703, 0.2445, 0.1998
Android (android.graphics.Color)	4288975615 (0xFFA492FF)
YUV	163.8080, 44.9577, 0.1684
Hunter-Lab	59.7246, 25.9412, -56.6800

Details

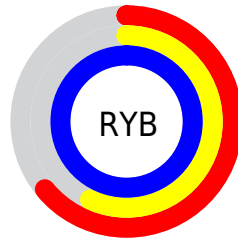
The Yxy color **35.6703, 0.2445, 0.1998** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **91.5842, 0.3641, 0.4397**, and the grayscale version is **36.8223, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0581, 0.2914, 0.2712**, and **15.4498, 0.2243, 0.1693** is the 20% darker color. If you saturate the color by 10%, you get **26.5895, 0.2250, 0.1656**, and if you desaturate by 10%, it is **46.8825, 0.2632, 0.2338**.

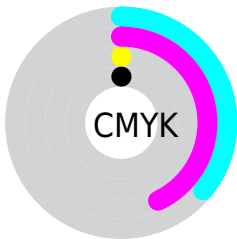
Distribution



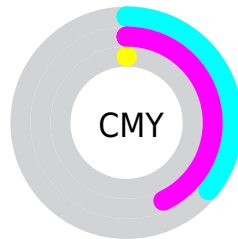
- Red (64%)
- Green (57%)
- Blue (100%)



- Red (64%)
- Yellow (57%)
- Blue (100%)



- Cyan (36%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)




- Cyan (36%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6703, 0.2445, 0.1998 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 35.6703, 0.2445, 0.1998 by changing the saturation by 10% instead.


 35.6703, 0.2445,
0.1998


 35.6703, 0.2445,
0.1998


327.5172, 0.2798,
0.2602

 24.1797, 0.2357,
0.1863

 68.5229, 0.2574,
0.2206

 15.4670, 0.2245,
0.1699


 90.6536, 0.2622,
0.2288

 9.1478, 0.2100,
0.1498


117.0998, 0.2663,
0.2358

 4.8377, 0.1905,
0.1248

148.2460, 0.2698,
0.2420

 2.1523, 0.1638,
0.0940

184.4764, 0.2728,
0.2474

 0.6938, 0.1268,
0.0563

226.1754, 0.2755,

 0.0000, 0.0645,

0.2522

0.0000

273.7276, 0.2778,
0.2564

0.0000, 0.0000,
0.0000

35.6703, 0.2445,
0.1998

35.6703, 0.2445,
0.1998

26.5895, 0.2250,
0.1656

46.8825, 0.2632,
0.2338

19.5034, 0.2056,
0.1332

60.3507, 0.2805,
0.2660

14.2592, 0.1878,
0.1050

76.1899, 0.2959,
0.2956

10.6814, 0.1727,
0.0832

94.5071, 0.3093,
0.3222

8.5593, 0.1616,
0.0692

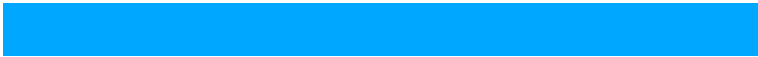
100.0000, 0.3127,
0.3290

■ 7.7187, 0.1561,
0.0634

Harmonies

Analogous

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



35.6703, 0.1869, 0.1951



35.6703, 0.2445, 0.1998



35.6703, 0.3309, 0.2292

Triad

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



35.6703, 0.2445, 0.1998



35.6703, 0.4880, 0.4040



35.6703, 0.2041, 0.3770

Complementary

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



35.6703, 0.2445, 0.1998



91.5842, 0.3641, 0.4397

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.



35.6703, 0.2751, 0.4704



35.6703, 0.2445, 0.1998



35.6703, 0.4391, 0.4658

Square

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



35.6703, 0.2445, 0.1998



35.6703, 0.4858, 0.3389



35.6703, 0.3611, 0.5006



35.6703, 0.1655, 0.2804

Rectangle

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



35.6703, 0.2445, 0.1998



35.6703, 0.3950, 0.2602



35.6703, 0.3611, 0.5006



35.6703, 0.2247, 0.4118

Sweetspot

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



35.6703, 0.2445, 0.1998



75.7707, 0.2955, 0.2949



74.8553, 0.2513, 0.3101



15.4278, 0.2923, 0.2886



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.



35.6703, 0.2445, 0.1998



28.0338, 0.2284, 0.1716



42.4984, 0.2856, 0.2133



17.5225, 0.3004, 0.3046



4.0753, 0.1571, 0.0639



0.4356, 0.1660, 0.0688

Inverse Universe

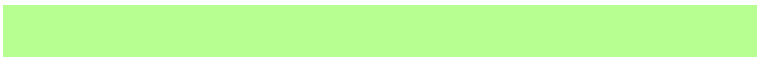
The Inverse Universe completely reimagines the original color for something new.



47.9202, 0.3331, 0.2390



41.8221, 0.3381, 0.2233



83.8017, 0.3289, 0.4537



18.2456, 0.3164, 0.3094



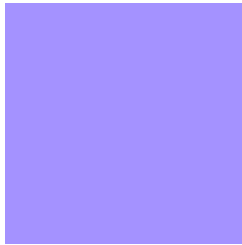
13.6302, 0.3680, 0.1801



1.3403, 0.3617, 0.1766

Previews

White Background



This preview shows how the Yxy color 35.6703, 0.2445, 0.1998 looks on a white background.

Color Contrast Check

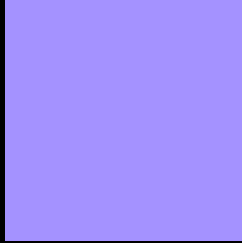
Large Text (above 18pt) WCAG AA × Fail

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 35.6703, 0.2445, 0.1998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

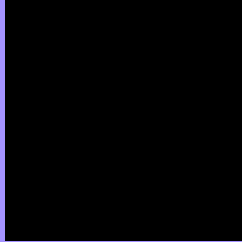
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.6703, 0.2445, 0.1998

Background



This preview shows how black text looks on a background with the Yxy color 35.6703, 0.2445, 0.1998.



This preview shows how white text looks on a background with the Yxy color 35.6703, 0.2445, 0.1998.

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

35.6703, 0.2445, 0.1998

Protanopia

35.9588, 0.2217, 0.2066

Deuteranopia

36.0287, 0.2181, 0.2116



Tritanopia

35.5320, 0.2874, 0.3098

Trichromacy



Original Color

35.6703, 0.2445, 0.1998

Protanomaly

35.8202, 0.2294, 0.2041

Deuteranomaly

35.7743, 0.2266, 0.2072

Tritanomaly

35.2940, 0.2699, 0.2631

Monochromacy



Original Color

35.6703, 0.2445, 0.1998

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.0377, 0.2852, 0.2745

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6703, 0.2445, 0.1998 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(164, 146, 255)` looks like.

```
.text, #text, p{  
    color:rgb(164, 146, 255)  
}
```

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(164, 146, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 146, 255) }
```

Border

The CSS property to change the border of an element to Yxy 35.6703, 0.2445, 0.1998 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(164, 146, 255) }
```

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

```
.border{ border-color:rgb(164, 146, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 146, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 146, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 146, 255);  
box-shadow:4px 4px 4px 4px rgb(164, 146,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6703, 0.2445, 0.1998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 146, 255) }
```

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

```
.background{ background-color: rgb(164,  
146, 255) }
```

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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