

Converting Colors

$Yxy(35.6387, 0.2529, 0.2105)$

Have a look what the booklet for
Yxy(35.6387, 0.2529, 0.2105)
contains.

Yxy(35.6755, 0.2528, 0.2104)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.6755, 0.2528, 0.2104)

Conversions

Conversions Part 1

Format	Color
Hex	A793F5
RGB	167, 147, 245
RGB Percent	65%, 58%, 96%
CMY	0.3448, 0.4236, 0.0392
CMYK	0.32, 0.40, 0.00, 0.04
HSL	252°, 83%, 77%
HSV	252°, 40%, 96%
XYZ	42.8649, 35.6755, 91.0200
YIQ	164.1520, -19.5380, 34.7180

Conversions

Conversions Part 2

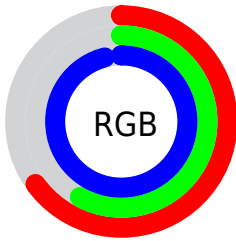
Format	Color
RYB	167, 147, 245
Decimal	10982389
CIELab	66.27, 28.82, -46.56
CIElCh	66, 54.753, 301.756
Yxy	35.6755, 0.2528, 0.2104
Android (android.graphics.Color)	4289172469 (0xFFA793F5)
YUV	164.1520, 39.8581, 2.4977
Hunter-Lab	59.7290, 23.5759, -48.5408

Details

The Yxy color **35.6755, 0.2528, 0.2104** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **83.4080, 0.3583, 0.4335**, and the grayscale version is **37.0188, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8406, 0.2928, 0.2725**, and **15.4413, 0.2349, 0.1819** is the 20% darker color. If you saturate the color by 10%, you get **26.8879, 0.2341, 0.1766**, and if you desaturate by 10%, it is **46.4077, 0.2704, 0.2435**.

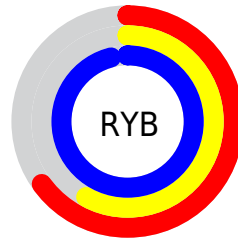
Distribution



Red (65%)

Green (58%)

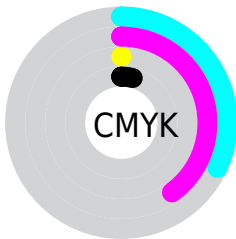
Blue (96%)



Red (65%)

Yellow (58%)

Blue (96%)

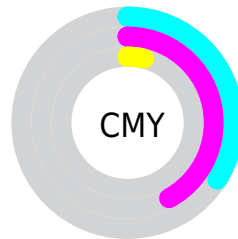


Cyan (32%)

Magenta (40%)

Yellow (0%)

Black (4%)



Cyan (34%)


Magenta (42%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6755, 0.2528, 0.2104 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 35.6755, 0.2528, 0.2104 by changing the saturation by 10% instead.


 35.6755, 0.2528,
0.2104


 35.6755, 0.2528,
0.2104


327.5400, 0.2841,
0.2666

 24.1837, 0.2449,
0.1976


 68.5309, 0.2643,
0.2300

 15.4699, 0.2347,
0.1819


 90.6633, 0.2686,
0.2376

 9.1499, 0.2213,
0.1623


117.1113, 0.2722,
0.2441

 4.8391, 0.2031,
0.1376

148.2594, 0.2753,
0.2498

 2.1531, 0.1775,
0.1062

184.4919, 0.2779,
0.2548

 0.6943, 0.1406,
0.0660

226.1932, 0.2803,


 0.0000, 0.0686,


0.2592


0.0000

273.7478, 0.2823,
0.2631

 0.0000, 0.0000,
0.0000


 35.6755, 0.2528,
0.2104


 35.6755, 0.2528,
0.2104


 26.8879, 0.2341,
0.1766


 46.4077, 0.2704,
0.2435


 19.9226, 0.2152,
0.1440


 59.1886, 0.2863,
0.2747


 14.6497, 0.1970,
0.1147

 74.1195, 0.3004,
0.3033

 10.9200, 0.1810,
0.0910

 91.2940, 0.3127,
0.3290

 8.5570, 0.1682,
0.0745

 99.3732, 0.3185,
0.3386

■ 7.2777, 0.1591,
0.0650

Harmonies

Analogous

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



35.6755, 0.1983, 0.2057



35.6755, 0.2528, 0.2104



35.6755, 0.3322, 0.2384

Triad

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



35.6755, 0.2528, 0.2104



35.6755, 0.4721, 0.4020



35.6755, 0.2127, 0.3700

Complementary

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



35.6755, 0.2528, 0.2104



83.4080, 0.3583, 0.4335

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.



35.6755, 0.2777, 0.4530



35.6755, 0.2528, 0.2104



35.6755, 0.4280, 0.4568

Square

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



35.6755, 0.2528, 0.2104



35.6755, 0.4701, 0.3416



35.6755, 0.3566, 0.4838



35.6755, 0.1770, 0.2841

Rectangle

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



35.6755, 0.2528, 0.2104



35.6755, 0.3898, 0.2677



35.6755, 0.3566, 0.4838



35.6755, 0.2316, 0.4007

Sweetspot

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



35.6769, 0.2528, 0.2104



77.6817, 0.2977, 0.2978



66.8620, 0.2539, 0.3056



16.1532, 0.2959, 0.2941



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.



35.6769, 0.2528, 0.2104



31.1250, 0.2377, 0.1831



41.9903, 0.2921, 0.2225



16.0904, 0.3011, 0.3047



3.9671, 0.1602, 0.0656



0.3905, 0.1714, 0.0718

Inverse Universe

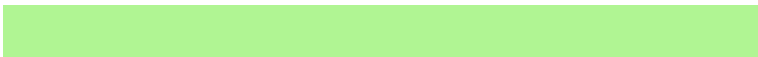
The Inverse Universe completely reimagines the original color for something new.



45.7043, 0.3350, 0.2483



43.6330, 0.3408, 0.2329



76.6913, 0.3250, 0.4457



16.7066, 0.3169, 0.3104



12.5950, 0.3808, 0.1871



1.1213, 0.3718, 0.1822

Previews

White Background



This preview shows how the Yxy color 35.6755, 0.2528, 0.2104 looks on a white background.

Color Contrast Check

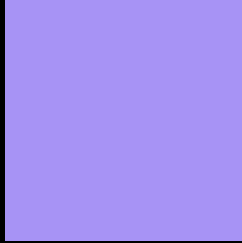
Large Text (above 18pt) WCAG AA × Fail

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 35.6755, 0.2528, 0.2104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

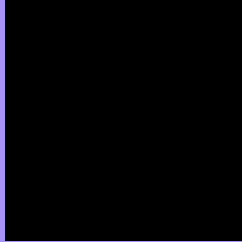
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.6755, 0.2528, 0.2104

Background



This preview shows how black text looks on a background with the Yxy color 35.6755, 0.2528, 0.2104.



This preview shows how white text looks on a background with the Yxy color 35.6755, 0.2528, 0.2104.

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

35.6755, 0.2528, 0.2104

Protanopia

35.9695, 0.2227, 0.2077

Deuteranopia

35.7634, 0.2277, 0.2214



Tritanopia

35.7081, 0.2934, 0.3100

Trichromacy



Original Color

35.6755, 0.2528, 0.2104

Protanomaly

35.6517, 0.2320, 0.2079

Deuteranomaly

35.4027, 0.2357, 0.2165

Tritanomaly

35.5532, 0.2777, 0.2699

Monochromacy



Original Color

35.6755, 0.2528, 0.2104

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.3033, 0.2893, 0.2811

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6755, 0.2528, 0.2104 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(167, 147, 245)` looks like.

```
.text, #text, p{  
    color:rgb(167, 147, 245)  
}
```

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(167, 147, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 147, 245) }
```

Border

The CSS property to change the border of an element to Yxy 35.6755, 0.2528, 0.2104 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(167, 147, 245) }
```

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

```
.border{ border-color:rgb(167, 147, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 147, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 147, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 147, 245);  
box-shadow:4px 4px 4px 4px rgb(167, 147,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6755, 0.2528, 0.2104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 147, 245) }
```

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

```
.background{ background-color: rgb(167,  
147, 245) }
```

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