

Converting Colors

$Y_{xy}(29.4130, 0.2418, 0.1748)$

Have a look what the booklet for
Yxy(29.4130, 0.2418, 0.1748)
contains.

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Color

Yxy(29.3853, 0.2417, 0.1747)

Conversions

Conversions Part 1

Format	Color
Hex	A57BFF
RGB	165, 123, 255
RGB Percent	65%, 48%, 100%
CMY	0.3529, 0.5177, 0.0000
CMYK	0.35, 0.52, 0.00, 0.00
HSL	259°, 100%, 74%
HSV	259°, 52%, 100%
XYZ	40.6550, 29.3853, 98.1641
YIQ	150.6060, -17.3400, 49.9560

Conversions

Conversions Part 2

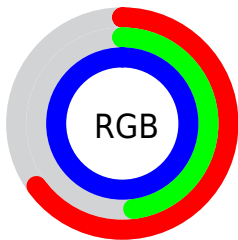
Format	Color
RYB	165, 123, 255
Decimal	10845183
CIELab	61.12, 44.31, -60.24
CIELCh	61, 74.786, 306.338
Yxy	29.3853, 0.2417, 0.1747
Android (android.graphics.Color)	4289035263 (0xFFA57BFF)
YUV	150.6060, 51.4662, 12.6235
Hunter-Lab	54.2082, 39.0068, -69.4208

Details

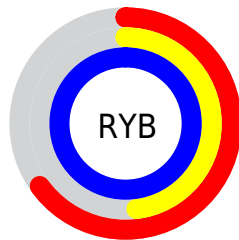
The Yxy color **29.3853, 0.2417, 0.1747** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **87.0934, 0.3592, 0.4685**, and the grayscale version is **30.5514, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9586, 0.2915, 0.2457**, and **11.9844, 0.2199, 0.1414** is the 20% darker color. If you saturate the color by 10%, you get **22.1216, 0.2246, 0.1439**, and if you desaturate by 10%, it is **38.5474, 0.2584, 0.2071**.

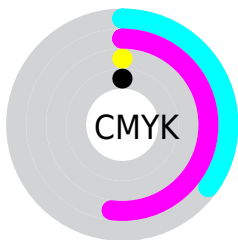
Distribution



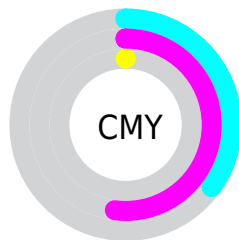
- Red (65%)
- Green (48%)
- Blue (100%)



- Red (65%)
- Yellow (48%)
- Blue (100%)



- Cyan (35%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)





- Cyan (35%)
- Magenta (52%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3853, 0.2417, 0.1747 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 29.3853, 0.2417, 0.1747 by changing the saturation by 10% instead.


 29.3853, 0.2417,
0.1747

 29.3853, 0.2417,
0.1747


299.0286, 0.2799,
0.2462


 19.3725, 0.2319,
0.1591


 58.6887, 0.2559,
0.1991

 11.9397, 0.2193,
0.1404


 78.7481, 0.2612,
0.2087

 6.7027, 0.2029,
0.1181


 102.9251, 0.2656,
0.2171

 3.2768, 0.1808,
0.0914

131.6041, 0.2693,
0.2244

 1.2779, 0.1507,
0.0605

165.1696, 0.2726,
0.2308

 0.1240, 0.1117,
0.0111

204.0059, 0.2753,


 0.0000, 0.0276,


0.2366


0.0000

248.4974, 0.2778,
0.2416


 0.0000, 0.0000,
0.0000


 29.3853, 0.2417,
0.1747


 29.3853, 0.2417,
0.1747

 22.1216, 0.2246,
0.1439


 38.5474, 0.2584,
0.2071


 16.6187, 0.2078,
0.1166


 49.7376, 0.2739,
0.2393


 12.7140, 0.1925,
0.0947

 63.0698, 0.2879,
0.2700

 10.2145, 0.1794,
0.0794

 78.6506, 0.3003,
0.2986

 8.9766, 0.1708,
0.0714

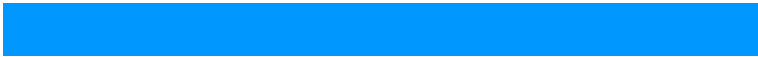
 96.5791, 0.3110,
0.3247

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



29.3853, 0.1664, 0.1626



29.3853, 0.2417, 0.1747



29.3853, 0.3569, 0.2140

Triad

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



29.3853, 0.2417, 0.1747



29.3853, 0.5229, 0.4245



29.3853, 0.1618, 0.3637

Complementary

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



29.3853, 0.2417, 0.1747



87.0934, 0.3592, 0.4685

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.



29.3853, 0.2401, 0.5048



29.3853, 0.2417, 0.1747



29.3853, 0.4463, 0.5064

Square

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



29.3853, 0.2417, 0.1747



29.3853, 0.5422, 0.3461



29.3853, 0.3444, 0.5565



29.3853, 0.1272, 0.2438

Rectangle

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



29.3853, 0.2417, 0.1747



29.3853, 0.4412, 0.2528



29.3853, 0.3444, 0.5565



29.3853, 0.1832, 0.4134

Sweetspot

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



29.3842, 0.2417, 0.1747



71.7757, 0.2953, 0.2868



59.1182, 0.2355, 0.2781



14.6792, 0.2927, 0.2809



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.



29.3842, 0.2417, 0.1747



21.9745, 0.2242, 0.1433



38.3393, 0.2971, 0.1963



17.6583, 0.3029, 0.3048



4.7607, 0.1723, 0.0723



0.5191, 0.1843, 0.0789

Inverse Universe

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



40.2271, 0.3589, 0.2393



34.1832, 0.3720, 0.2251



79.1708, 0.3175, 0.4891



18.1962, 0.3187, 0.3129



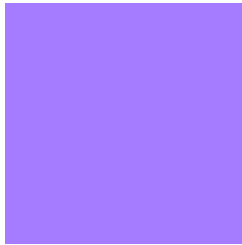
12.7306, 0.4218, 0.2098



1.2594, 0.4074, 0.2018

Previews

White Background



This preview shows how the Yxy color 29.3853, 0.2417, 0.1747 looks on a white background.

Color Contrast Check

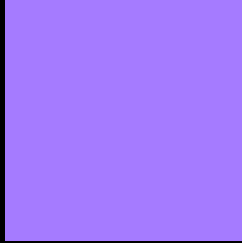
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3853, 0.2417, 0.1747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

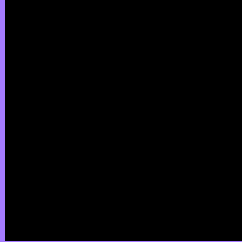
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.3853, 0.2417, 0.1747

Background



This preview shows how black text looks on a background with the Yxy color 29.3853, 0.2417, 0.1747.



This preview shows how white text looks on a background with the Yxy color 29.3853, 0.2417, 0.1747.

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

29.3853, 0.2417, 0.1747

Protanopia

29.7079, 0.2043, 0.1842

Deuteranopia

29.8303, 0.1992, 0.1933



Tritanopia

29.3558, 0.3004, 0.3118

Trichromacy



Original Color

29.3853, 0.2417, 0.1747



Protanomaly

28.9659, 0.2150, 0.1786



Deuteranomaly

28.9093, 0.2100, 0.1841



Tritanomaly

28.7026, 0.2761, 0.2503

Monochromacy



Original Color

29.3853, 0.2417, 0.1747



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

29.7918, 0.2834, 0.2604

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3853, 0.2417, 0.1747 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(165, 123, 255)` looks like.

```
.text, #text, p{  
    color:rgb(165, 123, 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(165, 123, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 123, 255) }
```

Border

The CSS property to change the border of an element to Yxy 29.3853, 0.2417, 0.1747 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(165, 123, 255) }
```

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

```
.border{ border-color:rgb(165, 123, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 123, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 123, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 123, 255);  
box-shadow:4px 4px 4px 4px rgb(165, 123,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3853, 0.2417, 0.1747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 123, 255) }
```

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

```
.background{ background-color: rgb(165,  
123, 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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