

Converting Colors

$Y_{xy}(29.9799, 0.2490, 0.1762)$

Have a look what the booklet for
Yxy(29.9799, 0.2490, 0.1762)
contains.

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Color

Yxy(29.8934, 0.2485, 0.1754)

Conversions

Conversions Part 1

Format	Color
Hex	AE79FF
RGB	174, 121, 255
RGB Percent	68%, 47%, 100%
CMY	0.3176, 0.5256, 0.0000
CMYK	0.32, 0.53, 0.00, 0.00
HSL	264°, 100%, 74%
HSV	264°, 53%, 100%
XYZ	42.3518, 29.8934, 98.1847
YIQ	152.1230, -11.4260, 52.9100

Conversions

Conversions Part 2

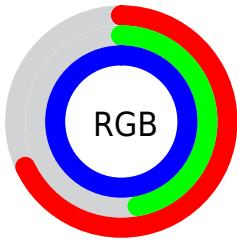
Format	Color
RYB	174, 121, 255
Decimal	11434495
CIELab	61.56, 47.58, -59.49
CIElCh	62, 76.180, 308.650
Yxy	29.8934, 0.2485, 0.1754
Android (android.graphics.Color)	4289624575 (0xFFAE79FF)
YUV	152.1230, 50.7184, 19.1861
Hunter-Lab	54.6749, 42.5873, -68.2001

Details

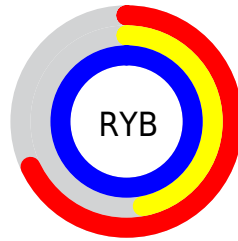
The Yxy color **29.8934, 0.2485, 0.1754** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **85.4511, 0.3526, 0.4741**, and the grayscale version is **31.2338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.2036, 0.2991, 0.2465**, and **12.1934, 0.2281, 0.1419** is the 20% darker color. If you saturate the color by 10%, you get **22.8230, 0.2329, 0.1460**, and if you desaturate by 10%, it is **38.8005, 0.2636, 0.2066**.

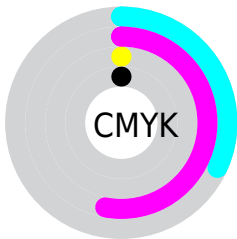
Distribution



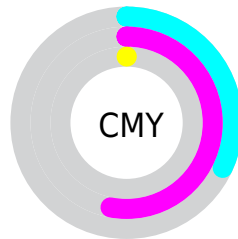
- Red (68%)
- Green (47%)
- Blue (100%)



- Red (68%)
- Yellow (47%)
- Blue (100%)



- Cyan (32%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)




- Cyan (32%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.8934, 0.2485, 0.1754 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 29.8934, 0.2485, 0.1754 by changing the saturation by 10% instead.


 29.8934, 0.2485,
0.1754


 29.8934, 0.2485,
0.1754


301.4073, 0.2835,
0.2463


 19.7577, 0.2394,
0.1600


 59.4936, 0.2616,
0.1995

 12.2190, 0.2277,
0.1416

 79.7268, 0.2664,
0.2091

 6.8930, 0.2123,
0.1195


 104.0947, 0.2704,
0.2174

 3.3953, 0.1915,
0.0930

132.9815, 0.2738,
0.2246

 1.3414, 0.1627,
0.0623

166.7719, 0.2768,
0.2310

 0.1729, 0.1245,
0.0151

205.8500, 0.2793,

 0.0000, 0.0500,

0.2367

0.0000

250.6003, 0.2815,
0.2417

 0.0000, 0.0000,
0.0000

 29.8934, 0.2485,
0.1754


 29.8934, 0.2485,
0.1754


 22.8230, 0.2329,
0.1460


 38.8005, 0.2636,
0.2066


 17.4560, 0.2174,
0.1201


 49.6742, 0.2775,
0.2380


 13.6310, 0.2029,
0.0993

 62.6257, 0.2900,
0.2682

 11.1555, 0.1901,
0.0848

 77.7593, 0.3010,
0.2966

 9.9821, 0.1819,
0.0776

 95.1722, 0.3105,
0.3227

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.



29.8934, 0.1693, 0.1610



29.8934, 0.2485, 0.1754



29.8934, 0.3673, 0.2169

Triad

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



29.8934, 0.2485, 0.1754



29.8934, 0.5204, 0.4311



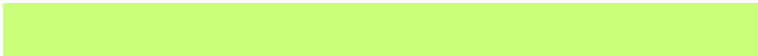
29.8934, 0.1559, 0.3527

Complementary

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



29.8934, 0.2485, 0.1754



85.4511, 0.3526, 0.4741

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.



29.8934, 0.2315, 0.4983



29.8934, 0.2485, 0.1754



29.8934, 0.4397, 0.5137

Square

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



29.8934, 0.2485, 0.1754



29.8934, 0.5461, 0.3515



29.8934, 0.3358, 0.5599



29.8934, 0.1245, 0.2358

Rectangle

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



29.8934, 0.2485, 0.1754



29.8934, 0.4520, 0.2569



29.8934, 0.3358, 0.5599



29.8934, 0.1762, 0.4027

Sweetspot

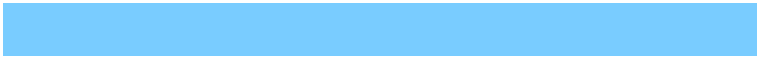
The Sweet Spot groups the original color and five complimentary colors.



29.8915, 0.2485, 0.1754



72.2949, 0.2974, 0.2871



54.2920, 0.2322, 0.2657



14.8023, 0.2952, 0.2813



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.



29.8915, 0.2485, 0.1754



22.5497, 0.2322, 0.1448



39.3046, 0.3047, 0.1976



17.7284, 0.3041, 0.3049



5.2964, 0.1836, 0.0785



0.5769, 0.1961, 0.0854

Inverse Universe

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



39.1927, 0.3711, 0.2477



33.1079, 0.3885, 0.2350



78.1861, 0.3126, 0.4942



18.1715, 0.3199, 0.3147



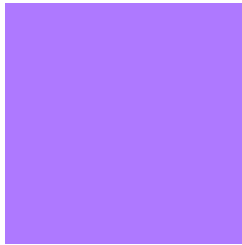
12.3596, 0.4527, 0.2267



1.2249, 0.4335, 0.2162

Previews

White Background



This preview shows how the Yxy color 29.8934, 0.2485, 0.1754 looks on a white background.

Color Contrast Check

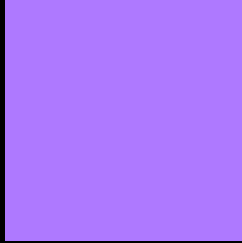
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8934, 0.2485, 0.1754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

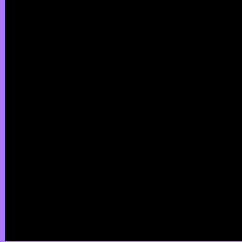
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8934, 0.2485, 0.1754

Background



This preview shows how black text looks on a background with the Yxy color 29.8934, 0.2485, 0.1754.



This preview shows how white text looks on a background with the Yxy color 29.8934, 0.2485, 0.1754.

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

29.8934, 0.2485, 0.1754

Protanopia

30.1801, 0.2060, 0.1860

Deuteranopia

30.3577, 0.2014, 0.1952



Tritanopia

29.6537, 0.3115, 0.3107

Trichromacy



Original Color

29.8934, 0.2485, 0.1754



Protanomaly

29.3403, 0.2180, 0.1796



Deuteranomaly

29.0077, 0.2130, 0.1840



Tritanomaly

29.1400, 0.2854, 0.2495

Monochromacy



Original Color

29.8934, 0.2485, 0.1754



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

30.1975, 0.2872, 0.2612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8934, 0.2485, 0.1754 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(174, 121, 255)` looks like.

```
.text, #text, p{  
    color:rgb(174, 121, 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(174, 121, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 121, 255) }
```

Border

The CSS property to change the border of an element to Yxy 29.8934, 0.2485, 0.1754 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(174, 121, 255) }
```

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

```
.border{ border-color:rgb(174, 121, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 121, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 121, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 121, 255);  
box-shadow:4px 4px 4px 4px rgb(174, 121,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8934, 0.2485, 0.1754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 121, 255) }
```

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

```
.background{ background-color: rgb(174,  
121, 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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