

Converting Colors

$Y_{xy}(29.8950, 0.2463, 0.1759)$

Have a look what the booklet for
Yxy(29.8950, 0.2463, 0.1759)
contains.

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Color

Yxy(29.7970, 0.2463, 0.1755)

Conversions

Conversions Part 1

Format	Color
Hex	AB7AFF
RGB	171, 122, 255
RGB Percent	67%, 48%, 100%
CMY	0.3291, 0.5217, 0.0000
CMYK	0.33, 0.52, 0.00, 0.00
HSL	262°, 100%, 74%
HSV	262°, 52%, 100%
XYZ	41.8177, 29.7970, 98.1688
YIQ	151.8130, -13.4890, 51.7510

Conversions

Conversions Part 2

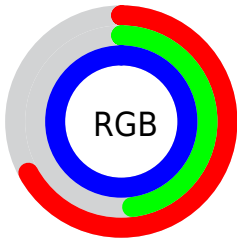
Format	Color
RYB	171, 122, 255
Decimal	11238143
CIELab	61.48, 46.33, -59.63
CIElCh	61, 75.509, 307.844
Yxy	29.7970, 0.2463, 0.1755
Android (android.graphics.Color)	4289428223 (0xFFAB7AFF)
YUV	151.8130, 50.8712, 16.8270
Hunter-Lab	54.5866, 41.2185, -68.4167

Details

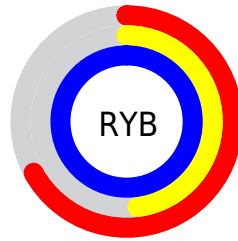
The Yxy color **29.7970, 0.2463, 0.1755** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **86.0306, 0.3548, 0.4719**, and the grayscale version is **31.0966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0937, 0.2968, 0.2470**, and **12.1151, 0.2253, 0.1416** is the 20% darker color. If you saturate the color by 10%, you get **22.6384, 0.2301, 0.1456**, and if you desaturate by 10%, it is **38.8178, 0.2619, 0.2071**.

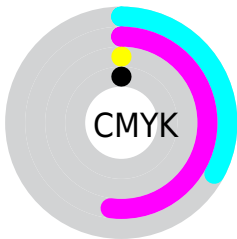
Distribution



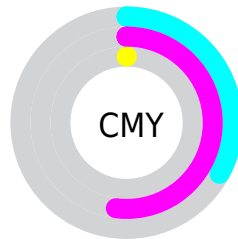
- Red (67%)
- Green (48%)
- Blue (100%)



- Red (67%)
- Yellow (48%)
- Blue (100%)



- Cyan (33%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)





- Cyan (33%)
- Magenta (52%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7970, 0.2463, 0.1755 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 29.7970, 0.2463, 0.1755 by changing the saturation by 10% instead.


 29.7970, 0.2463,
0.1755


 29.7970, 0.2463,
0.1755


300.9571, 0.2823,
0.2464


 19.6846, 0.2370,
0.1600


 59.3410, 0.2597,
0.1997

 12.1660, 0.2250,
0.1416


 79.5413, 0.2647,
0.2092

 6.8568, 0.2093,
0.1194


 103.8731, 0.2688,
0.2175

 3.3727, 0.1881,
0.0929

132.7207, 0.2724,
0.2248

 1.3293, 0.1589,
0.0621

166.4685, 0.2754,
0.2312

 0.1637, 0.1204,
0.0144

205.5009, 0.2780,

 0.0000, 0.0432,

0.2368

0.0000

250.2023, 0.2803,
0.2419

0.0000, 0.0000,
0.0000

29.7970, 0.2463,
0.1755

29.7970, 0.2463,
0.1755

22.6384, 0.2301,
0.1456

38.8178, 0.2619,
0.2071

17.2026, 0.2142,
0.1191

49.8255, 0.2764,
0.2387

13.3298, 0.1993,
0.0978

62.9336, 0.2894,
0.2692

10.8280, 0.1863,
0.0829

78.2471, 0.3009,
0.2976

9.6066, 0.1778,
0.0753

95.8636, 0.3108,
0.3237

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.



29.7970, 0.1686, 0.1620



29.7970, 0.2463, 0.1755



29.7970, 0.3635, 0.2162

Triad

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



29.7970, 0.2463, 0.1755



29.7970, 0.5208, 0.4287



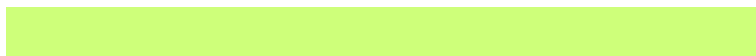
29.7970, 0.1584, 0.3565

Complementary

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



29.7970, 0.2463, 0.1755



86.0306, 0.3548, 0.4719

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.



29.7970, 0.2348, 0.5000



29.7970, 0.2463, 0.1755



29.7970, 0.4419, 0.5107

Square

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



29.7970, 0.2463, 0.1755



29.7970, 0.5441, 0.3497



29.7970, 0.3389, 0.5580



29.7970, 0.1258, 0.2388

Rectangle

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



29.7970, 0.2463, 0.1755



29.7970, 0.4478, 0.2557



29.7970, 0.3389, 0.5580



29.7970, 0.1791, 0.4062

Sweetspot

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



29.7970, 0.2463, 0.1755



72.1154, 0.2967, 0.2870



55.6041, 0.2333, 0.2691



14.7597, 0.2943, 0.2812



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.



29.7970, 0.2463, 0.1755



22.1238, 0.2288, 0.1432



39.1804, 0.3028, 0.1977



17.7042, 0.3037, 0.3048



5.0971, 0.1794, 0.0762



0.5558, 0.1918, 0.0831

Inverse Universe

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



39.6216, 0.3667, 0.2449



33.2995, 0.3832, 0.2311



78.4740, 0.3139, 0.4922



18.1799, 0.3195, 0.3141



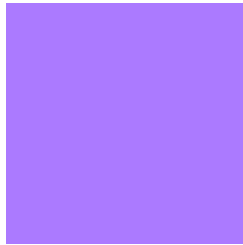
12.4807, 0.4419, 0.2208



1.2363, 0.4243, 0.2111

Previews

White Background



This preview shows how the Yxy color 29.7970, 0.2463, 0.1755 looks on a white background.

Color Contrast Check

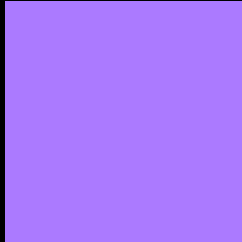
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7970, 0.2463, 0.1755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

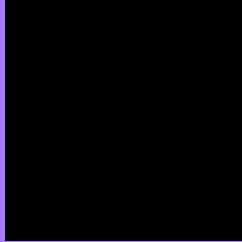
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7970, 0.2463, 0.1755

Background



This preview shows how black text looks on a background with the Yxy color 29.7970, 0.2463, 0.1755.



This preview shows how white text looks on a background with the Yxy color 29.7970, 0.2463, 0.1755.

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

29.7970, 0.2463, 0.1755

Protanopia

30.1234, 0.2055, 0.1858

Deuteranopia

30.3145, 0.2010, 0.1951



Tritanopia

29.6057, 0.3064, 0.3105

Trichromacy



Original Color

29.7970, 0.2463, 0.1755



Protanomaly

29.4713, 0.2170, 0.1804



Deuteranomaly

29.1659, 0.2122, 0.1849



Tritanomaly

29.0107, 0.2816, 0.2501

Monochromacy



Original Color

29.7970, 0.2463, 0.1755



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

30.0948, 0.2862, 0.2610

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7970, 0.2463, 0.1755 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(171, 122, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 122, 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(171, 122, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 122, 255) }
```

Border

The CSS property to change the border of an element to Yxy 29.7970, 0.2463, 0.1755 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(171, 122, 255) }
```

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

```
.border{ border-color:rgb(171, 122, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 122, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 122, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 122, 255);  
box-shadow:4px 4px 4px 4px rgb(171, 122,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7970, 0.2463, 0.1755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 122, 255) }
```

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

```
.background{ background-color: rgb(171,  
122, 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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