

Converting Colors

$Y_{xy}(36.3286, 0.2431, 0.2027)$

Have a look what the booklet for
Yxy(36.3286, 0.2431, 0.2027)
contains.

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Color

Yxy(36.2920, 0.2428, 0.2026)

Conversions

Conversions Part 1

Format	Color
Hex	A195FF
RGB	161, 149, 255
RGB Percent	63%, 58%, 100%
CMY	0.3688, 0.4156, 0.0000
CMYK	0.37, 0.42, 0.00, 0.00
HSL	247°, 100%, 79%
HSV	247°, 42%, 100%
XYZ	43.4931, 36.2920, 99.3462
YIQ	164.6720, -26.8740, 35.5100

Conversions

Conversions Part 2

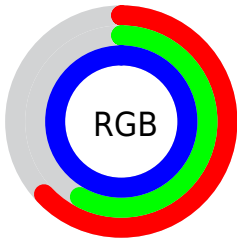
Format	Color
R _Y B	161, 149, 255
Decimal	10589695
CIE Lab	66.74, 28.65, -51.32
CIE LCh	67, 58.777, 299.172
Yxy	36.2920, 0.2428, 0.2026
Android (android.graphics.Color)	4288779775 (0xFFA195FF)
YUV	164.6720, 44.5317, -3.2203
Hunter-Lab	60.2428, 23.4453, -55.6049

Details

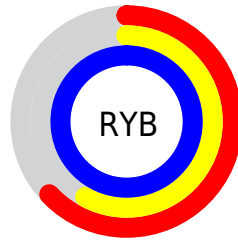
The Yxy color **36.2920, 0.2428, 0.2026** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **92.7535, 0.3667, 0.4352**, and the grayscale version is **37.2514, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.9919, 0.2894, 0.2741**, and **15.8158, 0.2225, 0.1726** is the 20% darker color. If you saturate the color by 10%, you get **26.9450, 0.2225, 0.1678**, and if you desaturate by 10%, it is **47.8291, 0.2624, 0.2370**.

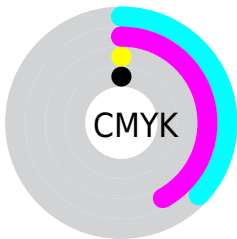
Distribution



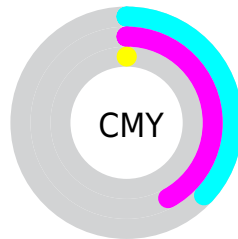
- Red (63%)
- Green (58%)
- Blue (100%)



- Red (63%)
- Yellow (58%)
- Blue (100%)



- Cyan (37%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)





- Cyan (37%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.2920, 0.2428, 0.2026 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 36.2920, 0.2428, 0.2026 by changing the saturation by 10% instead.

 36.2920, 0.2428,
0.2026


 36.2920, 0.2428,
0.2026


330.2350, 0.2787,
0.2619

 24.6598, 0.2339,
0.1893


 69.4825, 0.2559,
0.2231

 15.8238, 0.2226,
0.1731


 91.8096, 0.2608,
0.2311

 9.3995, 0.2080,
0.1532


118.4705, 0.2650,
0.2380

 5.0027, 0.1884,
0.1285

149.8495, 0.2685,
0.2440

 2.2488, 0.1617,
0.0977

186.3311, 0.2716,
0.2493

 0.7464, 0.1247,
0.0602

228.2996, 0.2743,


 0.0000, 0.0624,


0.2540

0.0000


276.1394, 0.2767,
0.2581

 0.0000, 0.0000,
0.0000

 36.2920, 0.2428,
0.2026

 36.2920, 0.2428,
0.2026

 26.9450, 0.2225,
0.1678


 47.8291, 0.2624,
0.2370


 19.6507, 0.2025,
0.1345


 61.6854, 0.2804,
0.2693

 14.2528, 0.1843,
0.1054

 77.9778, 0.2965,
0.2988

 10.5733, 0.1693,
0.0828

 96.8156, 0.3107,
0.3252

 8.3998, 0.1587,
0.0682

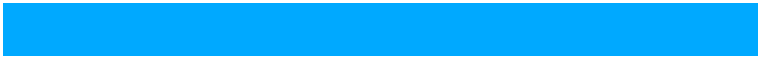
100.0000, 0.3127,
0.3290

■ 7.4777, 0.1532,
0.0617

Harmonies

Analogous

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



36.2920, 0.1884, 0.1997



36.2920, 0.2428, 0.2026



36.2920, 0.3251, 0.2300

Triad

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



36.2920, 0.2428, 0.2026



36.2920, 0.4837, 0.3990



36.2920, 0.2111, 0.3812

Complementary

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



36.2920, 0.2428, 0.2026



92.7535, 0.3667, 0.4352

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.



36.2920, 0.2816, 0.4682



36.2920, 0.2428, 0.2026



36.2920, 0.4394, 0.4590

Square

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



36.2920, 0.2428, 0.2026



36.2920, 0.4777, 0.3357



36.2920, 0.3651, 0.4938



36.2920, 0.1713, 0.2872

Rectangle

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



36.2920, 0.2428, 0.2026



36.2920, 0.3870, 0.2596



36.2920, 0.3651, 0.4938



36.2920, 0.2317, 0.4141

Sweetspot

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



36.2913, 0.2428, 0.2026



77.2161, 0.2959, 0.2976



78.5535, 0.2538, 0.3168



16.0445, 0.2939, 0.2939



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.



36.2913, 0.2428, 0.2026



28.2682, 0.2257, 0.1732



42.8052, 0.2823, 0.2153



17.4758, 0.2996, 0.3045



3.9383, 0.1539, 0.0621



0.4137, 0.1610, 0.0661

Inverse Universe

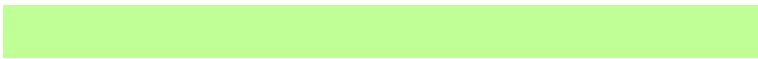
The Inverse Universe completely reimagines the original color for something new.



49.2321, 0.3275, 0.2365



42.8966, 0.3312, 0.2195



84.8194, 0.3320, 0.4486



18.2630, 0.3155, 0.3082



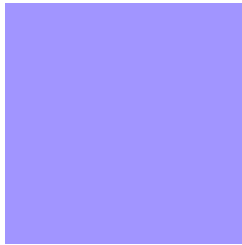
13.9991, 0.3516, 0.1711



1.3727, 0.3476, 0.1689

Previews

White Background



This preview shows how the Yxy color 36.2920, 0.2428, 0.2026 looks on a white background.

Color Contrast Check

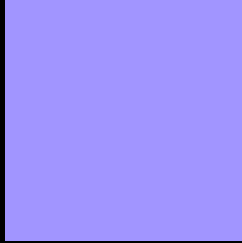
Large Text (above 18pt) WCAG AA × Fail

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 36.2920, 0.2428, 0.2026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

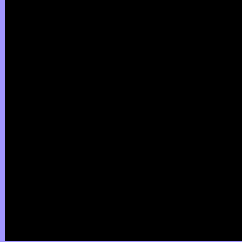
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.2920, 0.2428, 0.2026

Background



This preview shows how black text looks on a background with the Yxy color 36.2920, 0.2428, 0.2026.



This preview shows how white text looks on a background with the Yxy color 36.2920, 0.2428, 0.2026.

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

36.2920, 0.2428, 0.2026

Protanopia

36.4519, 0.2230, 0.2082

Deuteranopia

36.5138, 0.2194, 0.2132



Tritanopia

36.4564, 0.2828, 0.3098

Trichromacy



Original Color

36.2920, 0.2428, 0.2026

Protanomaly

36.1517, 0.2296, 0.2054

Deuteranomaly

36.1113, 0.2269, 0.2084

Tritanomaly

36.1306, 0.2665, 0.2644

Monochromacy



Original Color

36.2920, 0.2428, 0.2026

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

36.7660, 0.2846, 0.2760

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2920, 0.2428, 0.2026 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(161, 149, 255)` looks like.

```
.text, #text, p{  
    color:rgb(161, 149, 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(161, 149, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 149, 255) }
```

Border

The CSS property to change the border of an element to Yxy 36.2920, 0.2428, 0.2026 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(161, 149, 255) }
```

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

```
.border{ border-color:rgb(161, 149, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 149, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 149, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 149, 255);  
box-shadow:4px 4px 4px 4px rgb(161, 149,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2920, 0.2428, 0.2026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 149, 255) }
```

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

```
.background{ background-color: rgb(161,  
149, 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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