

Converting Colors

$Y_{xy}(46.8396, 0.2279, 0.1755)$

Have a look what the booklet for
Yxy(46.8396, 0.2279, 0.1755)
contains.

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Color

Yxy(42.4130, 0.2581, 0.2207)

Conversions

Conversions Part 1

Format	Color
Hex	B4A1FF
RGB	180, 161, 255
RGB Percent	71%, 63%, 100%
CMY	0.2944, 0.3685, 0.0001
CMYK	0.29, 0.37, 0.00, 0.00
HSL	252°, 100%, 82%
HSV	252°, 37%, 100%
XYZ	49.6003, 42.4130, 100.1616
YIQ	177.3970, -18.8500, 33.2620

Conversions

Conversions Part 2

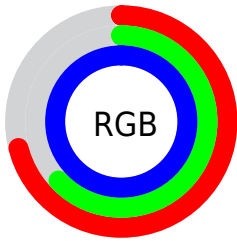
Format	Color
R_{YB}	180, 161, 255
Decimal	11837951
CIE _{Lab}	71.15, 26.88, -44.24
CIE _{LCh}	71, 51.770, 301.282
Yxy	42.4130, 0.2581, 0.2207
Android (android.graphics.Color)	4290028031 (0xFFB4A1FF)
YUV	177.3970, 38.2583, 2.2828
Hunter-Lab	65.1253, 21.9790, -45.5993

Details

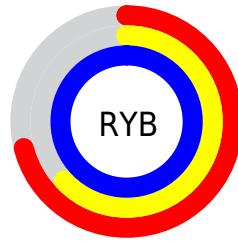
The Yxy color **42.4130, 0.2581, 0.2207** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **91.9297, 0.3553, 0.4253**, and the grayscale version is **43.9851, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5089, 0.3027, 0.2896**, and **19.3745, 0.2427, 0.1949** is the 20% darker color. If you saturate the color by 10%, you get **32.1242, 0.2396, 0.1868**, and if you desaturate by 10%, it is **54.8814, 0.2753, 0.2534**.

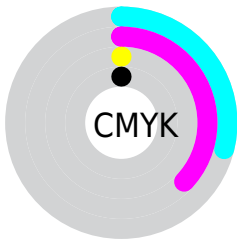
Distribution



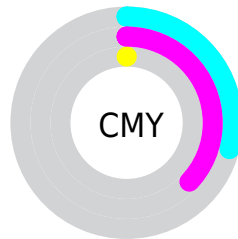
- Red (71%)
- Green (63%)
- Blue (100%)



- Red (71%)
- Yellow (63%)
- Blue (100%)



- Cyan (29%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)





- Cyan (29%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.4130, 0.2581, 0.2207 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 42.4130, 0.2581, 0.2207 by changing the saturation by 10% instead.


 42.4130, 0.2581,
0.2207

 42.4130, 0.2581,
0.2207


356.1921, 0.2859,
0.2711

 29.4248, 0.2512,
0.2093


 78.8243, 0.2682,
0.2381

 19.4024, 0.2425,
0.1955


 103.0162, 0.2720,
0.2449

 11.9614, 0.2312,
0.1783


131.7115, 0.2752,
0.2508

 6.7174, 0.2159,
0.1565

165.2945, 0.2780,
0.2559

 3.2860, 0.1947,
0.1286

204.1497, 0.2803,
0.2604

 1.2828, 0.1640,
0.0928

248.6614, 0.2824,

 0.1278, 0.1219,

0.2644

0.0200

299.2141, 0.2843,
0.2679

0.0000, 0.0000,
0.0000

42.4130, 0.2581,
0.2207

42.4130, 0.2581,
0.2207

32.1242, 0.2396,
0.1868

54.8814, 0.2753,
0.2534

23.8834, 0.2205,
0.1535

69.6408, 0.2908,
0.2840

17.5520, 0.2019,
0.1229

86.8011, 0.3044,
0.3117

12.9720, 0.1850,
0.0972

99.9986, 0.3127,
0.3290

9.9593, 0.1712,
0.0784

■ 8.2837, 0.1611,
0.0672

■ 7.9293, 0.1586,
0.0648

Harmonies

Analogous

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



42.4130, 0.2083, 0.2171



42.4130, 0.2581, 0.2207



42.4130, 0.3295, 0.2462

Triad

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



42.4130, 0.2581, 0.2207



42.4130, 0.4568, 0.3965



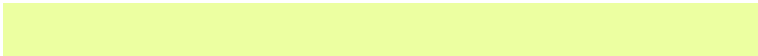
42.4130, 0.2237, 0.3672

Complementary

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



42.4130, 0.2581, 0.2207



91.9297, 0.3553, 0.4253

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.



42.4130, 0.2834, 0.4389



42.4130, 0.2581, 0.2207



42.4130, 0.4188, 0.4447

Square

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



42.4130, 0.2581, 0.2207



42.4130, 0.4530, 0.3413



42.4130, 0.3549, 0.4666



42.4130, 0.1899, 0.2910

Rectangle

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



42.4130, 0.2581, 0.2207



42.4130, 0.3807, 0.2730



42.4130, 0.3549, 0.4666



42.4130, 0.2412, 0.3938

Sweetspot

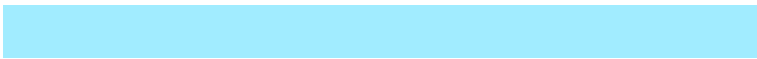
The Sweet Spot groups the original color and five complimentary colors.



42.4146, 0.2581, 0.2207



79.3854, 0.2990, 0.3006



74.8999, 0.2580, 0.3077



16.4926, 0.2972, 0.2968



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.



42.4146, 0.2581, 0.2207



34.8426, 0.2449, 0.1965



49.0184, 0.2941, 0.2310



17.5535, 0.3010, 0.3046



4.1933, 0.1598, 0.0654



0.4515, 0.1696, 0.0708

Inverse Universe

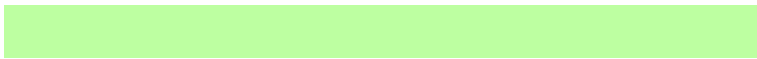
The Inverse Universe completely reimagines the original color for something new.



52.8196, 0.3325, 0.2540



46.6963, 0.3374, 0.2400



84.9278, 0.3243, 0.4356



18.2341, 0.3169, 0.3102



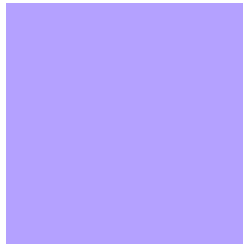
13.4021, 0.3795, 0.1864



1.3201, 0.3715, 0.1820

Previews

White Background



This preview shows how the Yxy color 42.4130, 0.2581, 0.2207 looks on a white background.

Color Contrast Check

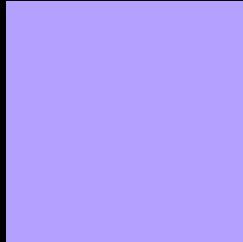
Large Text (above 18pt) WCAG AA × Fail

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 42.4130, 0.2581, 0.2207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

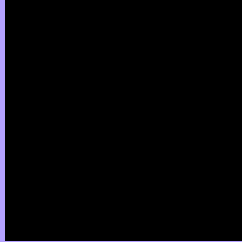
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.4130, 0.2581, 0.2207

Background



This preview shows how black text looks on a background with the Yxy color 42.4130, 0.2581, 0.2207.



This preview shows how white text looks on a background with the Yxy color 42.4130, 0.2581, 0.2207.

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

42.4130, 0.2581, 0.2207

Protanopia

42.4568, 0.2373, 0.2266

Deuteranopia

42.7298, 0.2364, 0.2304



Tritanopia

42.5496, 0.2948, 0.3101

Trichromacy



Original Color

42.4130, 0.2581, 0.2207

Protanomaly

42.1265, 0.2440, 0.2236

Deuteranomaly

42.5996, 0.2436, 0.2266

Tritanomaly

42.3242, 0.2808, 0.2738

Monochromacy



Original Color

42.4130, 0.2581, 0.2207

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

42.9986, 0.2916, 0.2854

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4130, 0.2581, 0.2207 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(180, 161, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 161, 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(180, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 161, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.4130, 0.2581, 0.2207 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(180, 161, 255) }
```

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

```
.border{ border-color:rgb(180, 161, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 161, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 161, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 161, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 161,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4130, 0.2581, 0.2207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 161, 255) }
```

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

```
.background{ background-color: rgb(180,  
161, 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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