

Converting Colors

$Y_{xy}(50.5450, 0.2412, 0.1948)$

Have a look what the booklet for
Yxy(50.5450, 0.2412, 0.1948)
contains.

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Color

Yxy(47.0458, 0.2671, 0.2331)

Conversions

Conversions Part 1

Format	Color
Hex	BFAAFF
RGB	191, 170, 255
RGB Percent	75%, 67%, 100%
CMY	0.2511, 0.3333, 0.0000
CMYK	0.25, 0.33, 0.00, 0.00
HSL	255°, 100%, 83%
HSV	255°, 33%, 100%
XYZ	53.9079, 47.0458, 100.8730
YIQ	185.9690, -14.7690, 30.8870

Conversions

Conversions Part 2

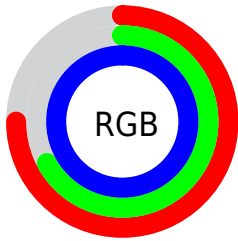
Format	Color
R_{YB}	191, 170, 255
Decimal	12561151
CIE _{Lab}	74.22, 25.01, -39.42
CIE _{LCh}	74, 46.682, 302.388
Yxy	47.0458, 0.2671, 0.2331
Android (android.graphics.Color)	4290751231 (0xFFBFAAFF)
YUV	185.9690, 34.0323, 4.4122
Hunter-Lab	68.5899, 20.2587, -39.1829

Details

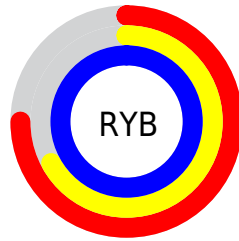
The Yxy color **47.0458, 0.2671, 0.2331** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **91.9224, 0.3489, 0.4167**, and the grayscale version is **48.8941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2102, 0.3100, 0.2996**, and **22.2683, 0.2545, 0.2113** is the 20% darker color. If you saturate the color by 10%, you get **36.0646, 0.2499, 0.2000**, and if you desaturate by 10%, it is **60.2075, 0.2829, 0.2648**.

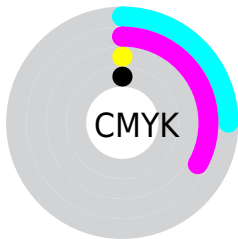
Distribution



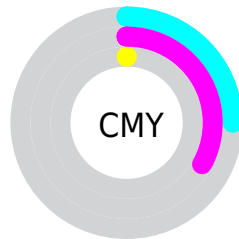
- Red (75%)
- Green (67%)
- Blue (100%)



- Red (75%)
- Yellow (67%)
- Blue (100%)



- Cyan (25%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.0458, 0.2671, 0.2331 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 47.0458, 0.2671, 0.2331 by changing the saturation by 10% instead.

47.0458, 0.2671,
0.2331

47.0458, 0.2671,
0.2331

374.9973, 0.2901,
0.2775

33.0719, 0.2615,
0.2231

85.7820, 0.2754,
0.2484

22.1815, 0.2543,
0.2109

111.3130, 0.2785,
0.2544

13.9903, 0.2450,
0.1956

141.4652, 0.2812,
0.2596

8.1139, 0.2325,
0.1762

176.6230, 0.2835,
0.2641

4.1679, 0.2149,
0.1509

217.1706, 0.2855,
0.2681

1.7679, 0.1891,
0.1175

263.4927, 0.2872,

0.4671, 0.1507,

0.2716

0.0656

315.9734, 0.2887,
0.2747

0.0000, 0.0008,
0.0000

0.0000, 0.0000,
0.0000

47.0458, 0.2671,
0.2331

47.0458, 0.2671,
0.2331

36.0646, 0.2499,
0.2000

60.2075, 0.2829,
0.2648

27.1442, 0.2317,
0.1668

75.6611, 0.2968,
0.2942

20.1522, 0.2134,
0.1355

93.5097, 0.3090,
0.3208

14.9410, 0.1961,
0.1082

100.0000, 0.3127,
0.3290

■ 11.3403, 0.1809,
0.0869

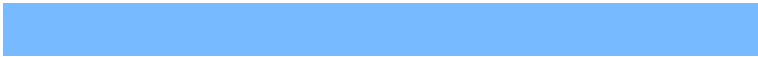
■ 9.1453, 0.1688,
0.0728

■ 8.2728, 0.1627,
0.0670

Harmonies

Analogous

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



47.0458, 0.2215, 0.2296



47.0458, 0.2671, 0.2331



47.0458, 0.3303, 0.2566

Triad

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



47.0458, 0.2671, 0.2331



47.0458, 0.4387, 0.3923



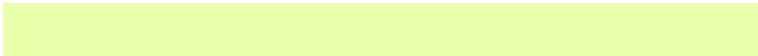
47.0458, 0.2332, 0.3600

Complementary

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



47.0458, 0.2671, 0.2331



91.9224, 0.3489, 0.4167

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.



47.0458, 0.2858, 0.4214



47.0458, 0.2671, 0.2331



47.0458, 0.4053, 0.4329

Square

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



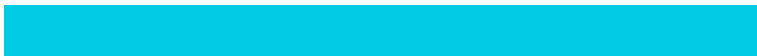
47.0458, 0.2671, 0.2331



47.0458, 0.4358, 0.3432



47.0458, 0.3489, 0.4481



47.0458, 0.2033, 0.2948

Rectangle

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



47.0458, 0.2671, 0.2331



47.0458, 0.3745, 0.2812



47.0458, 0.3489, 0.4481



47.0458, 0.2486, 0.3826

Sweetspot

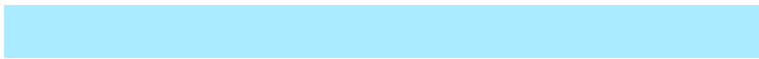
The Sweet Spot groups the original color and five complimentary colors.



47.0456, 0.2671, 0.2331



81.3323, 0.3011, 0.3034



75.2808, 0.2624, 0.3068



16.8890, 0.2993, 0.2995



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.



47.0456, 0.2671, 0.2331



39.4854, 0.2558, 0.2111



53.1856, 0.2986, 0.2413



17.5940, 0.3017, 0.3047



4.3807, 0.1640, 0.0677



0.4750, 0.1748, 0.0737

Inverse Universe

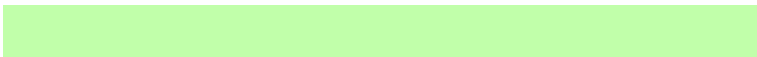
The Inverse Universe completely reimagines the original color for something new.



55.9564, 0.3334, 0.2647



49.7471, 0.3388, 0.2519



85.7174, 0.3217, 0.4248



18.2193, 0.3176, 0.3113



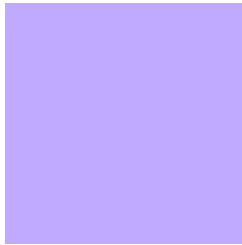
13.1252, 0.3953, 0.1951



1.2953, 0.3849, 0.1894

Previews

White Background



This preview shows how the Yxy color 47.0458, 0.2671, 0.2331 looks on a white background.

Color Contrast Check

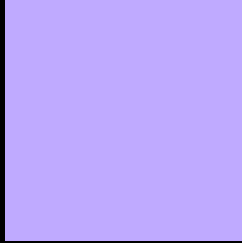
Large Text (above 18pt) WCAG AA × Fail

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 47.0458, 0.2671, 0.2331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

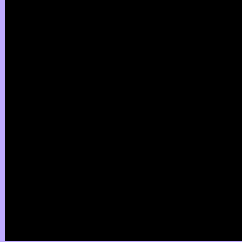
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.0458, 0.2671, 0.2331

Background



This preview shows how black text looks on a background with the Yxy color 47.0458, 0.2671, 0.2331.



This preview shows how white text looks on a background with the Yxy color 47.0458, 0.2671, 0.2331.

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

47.0458, 0.2671, 0.2331

Protanopia

47.2334, 0.2470, 0.2397

Deuteranopia

47.1053, 0.2480, 0.2417



Tritanopia

47.1447, 0.3003, 0.3110

Trichromacy



Original Color

47.0458, 0.2671, 0.2331

Protanomaly

46.9286, 0.2540, 0.2366

Deuteranomaly

46.8644, 0.2546, 0.2376

Tritanomaly

47.0409, 0.2879, 0.2809

Monochromacy



Original Color

47.0458, 0.2671, 0.2331

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.0370, 0.2955, 0.2908

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0458, 0.2671, 0.2331 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(191, 170, 255)` looks like.

```
.text, #text, p{  
    color:rgb(191, 170, 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(191, 170, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 170, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.0458, 0.2671, 0.2331 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(191, 170, 255) }
```

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

```
.border{ border-color:rgb(191, 170, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 170, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 170, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 170, 255);  
box-shadow:4px 4px 4px 4px rgb(191, 170,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0458, 0.2671, 0.2331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 170, 255) }
```

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

```
.background{ background-color: rgb(191,  
170, 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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