

Converting Colors

Yxy(55.6133, 0.2153, 0.1620)

Have a look what the booklet for
Yxy(55.6133, 0.2153, 0.1620)
contains.

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Color

Yxy(47.1744, 0.2618, 0.2351)

Conversions

Conversions Part 1

Format	Color
Hex	B7ADFF
RGB	183, 173, 255
RGB Percent	72%, 68%, 100%
CMY	0.2821, 0.3216, 0.0000
CMYK	0.28, 0.32, 0.00, 0.00
HSL	247°, 100%, 84%
HSV	247°, 32%, 100%
XYZ	52.5319, 47.1744, 100.9504
YIQ	185.3380, -20.3620, 27.6220

Conversions

Conversions Part 2

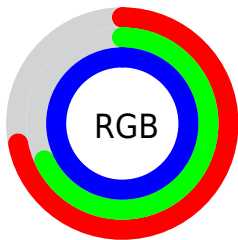
Format	Color
RYB	183, 173, 255
Decimal	12037631
CIELab	74.30, 21.10, -39.33
CIElCh	74, 44.631, 298.213
Yxy	47.1744, 0.2618, 0.2351
Android (android.graphics.Color)	4290227711 (0xFFB7ADFF)
YUV	185.3380, 34.3434, -2.0504
Hunter-Lab	68.6836, 16.3275, -39.0652

Details

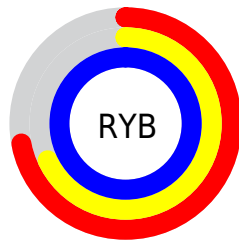
The Yxy color **47.1744, 0.2618, 0.2351** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **93.9367, 0.3546, 0.4115**, and the grayscale version is **48.5314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2321, 0.3039, 0.3020**, and **22.3412, 0.2478, 0.2135** is the 20% darker color. If you saturate the color by 10%, you get **35.7833, 0.2424, 0.2008**, and if you desaturate by 10%, it is **60.8702, 0.2798, 0.2675**.

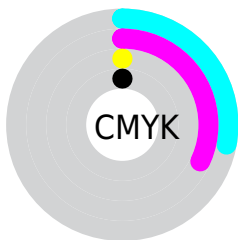
Distribution



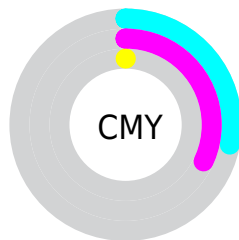
- Red (72%)
- Green (68%)
- Blue (100%)



- Red (72%)
- Yellow (68%)
- Blue (100%)



- Cyan (28%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)



- Cyan (28%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.1744, 0.2618, 0.2351 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 47.1744, 0.2618, 0.2351 by changing the saturation by 10% instead.

■ 47.1744, 0.2618,
0.2351

■ 47.1744, 0.2618,
0.2351

375.5102, 0.2872,
0.2788

■ 33.1735, 0.2556,
0.2252

■ 85.9739, 0.2709,
0.2502

■ 22.2594, 0.2479,
0.2131

111.5413, 0.2744,
0.2561

■ 14.0476, 0.2378,
0.1979

141.7330, 0.2773,
0.2612

■ 8.1538, 0.2243,
0.1786

176.9335, 0.2799,
0.2656

■ 4.1935, 0.2055,
0.1533

217.5270, 0.2820,
0.2695

■ 1.7824, 0.1783,
0.1197

263.8981, 0.2840,

■ 0.4762, 0.1384,

0.2730


0.0676

316.4310, 0.2857,
0.2761


 0.0000, 0.0000,
0.0000

 47.1744, 0.2618,
0.2351


 47.1744, 0.2618,
0.2351


 35.7833, 0.2424,
0.2008


 60.8702, 0.2798,
0.2675


 26.5659, 0.2222,
0.1661


 76.9840, 0.2958,
0.2972

 19.3840, 0.2023,
0.1331

 95.6263, 0.3099,
0.3237

 14.0821, 0.1843,
0.1043

 100.0000, 0.3127,
0.3290

 10.4815, 0.1695,
0.0821

■ 8.3688, 0.1589,
0.0680

■ 7.5161, 0.1536,
0.0620

Harmonies

Analogous

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



47.1744, 0.2208, 0.2348



47.1744, 0.2618, 0.2351



47.1744, 0.3208, 0.2553

Triad

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



47.1744, 0.2618, 0.2351



47.1744, 0.4352, 0.3840



47.1744, 0.2426, 0.3677

Complementary

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



47.1744, 0.2618, 0.2351



93.9367, 0.3546, 0.4115

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.



47.1744, 0.2954, 0.4228



47.1744, 0.2618, 0.2351



47.1744, 0.4077, 0.4244

Square

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



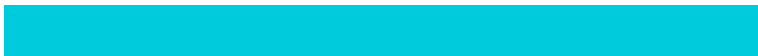
47.1744, 0.2618, 0.2351



47.1744, 0.4269, 0.3365



47.1744, 0.3560, 0.4427



47.1744, 0.2102, 0.3044

Rectangle

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



47.1744, 0.2618, 0.2351



47.1744, 0.3633, 0.2778



47.1744, 0.3560, 0.4427



47.1744, 0.2584, 0.3886

Sweetspot

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



47.1757, 0.2618, 0.2351



80.7972, 0.2990, 0.3032



81.6690, 0.2653, 0.3184



16.7606, 0.2970, 0.2993



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.



47.1757, 0.2618, 0.2351



39.1446, 0.2486, 0.2118



52.8790, 0.2918, 0.2426



17.4846, 0.2998, 0.3045



3.9605, 0.1544, 0.0624



0.4178, 0.1620, 0.0666

Inverse Universe

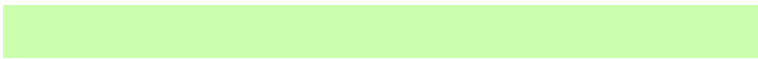
The Inverse Universe completely reimagines the original color for something new.



57.7301, 0.3243, 0.2577



51.3446, 0.3273, 0.2428



87.4341, 0.3276, 0.4192



18.2597, 0.3157, 0.3084



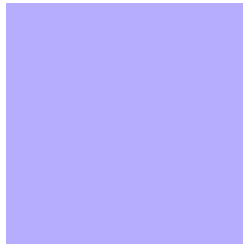
13.9274, 0.3546, 0.1727



1.3664, 0.3502, 0.1703

Previews

White Background



This preview shows how the Yxy color 47.1744, 0.2618, 0.2351 looks on a white background.

Color Contrast Check

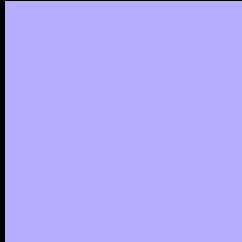
Large Text (above 18pt) WCAG AA × Fail

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 47.1744, 0.2618, 0.2351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

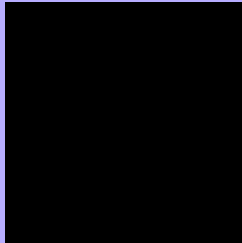
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.1744, 0.2618, 0.2351

Background



This preview shows how black text looks on a background with the Yxy color 47.1744, 0.2618, 0.2351.



This preview shows how white text looks on a background with the Yxy color 47.1744, 0.2618, 0.2351.

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

47.1744, 0.2618, 0.2351

Protanopia

47.2334, 0.2470, 0.2397

Deuteranopia

47.1053, 0.2480, 0.2417



Tritanopia

47.1752, 0.2917, 0.3095

Trichromacy



Original Color

47.1744, 0.2618, 0.2351

Protanomaly

46.9891, 0.2522, 0.2374

Deuteranomaly

46.9249, 0.2527, 0.2383

Tritanomaly

46.9871, 0.2805, 0.2803

Monochromacy



Original Color

47.1744, 0.2618, 0.2351

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

47.8912, 0.2931, 0.2929

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1744, 0.2618, 0.2351 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(183, 173, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 173, 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(183, 173, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 173, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.1744, 0.2618, 0.2351 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(183, 173, 255) }
```

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

```
.border{ border-color:rgb(183, 173, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 173, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 173, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 173, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 173,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1744, 0.2618, 0.2351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 173, 255) }
```

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

```
.background{ background-color: rgb(183,  
173, 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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