

Converting Colors

$Y_{xy}(44.8131, 0.2610, 0.2371)$

Have a look what the booklet for
Yxy(44.8131, 0.2610, 0.2371)
contains.

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Color

Yxy(44.7569, 0.2607, 0.2370)

Conversions

Conversions Part 1

Format	Color
Hex	B0AAF8
RGB	176, 170, 248
RGB Percent	69%, 67%, 97%
CMY	0.3096, 0.3334, 0.0274
CMYK	0.29, 0.31, 0.00, 0.03
HSL	245°, 85%, 82%
HSV	245°, 31%, 97%
XYZ	49.2326, 44.7569, 94.8582
YIQ	180.6860, -21.4620, 25.5300

Conversions

Conversions Part 2

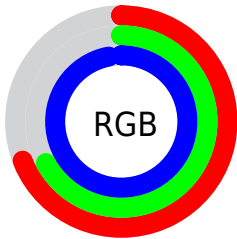
Format	Color
R _Y B	176, 170, 248
Decimal	11578104
CIE Lab	72.73, 19.09, -38.03
CIE LCh	73, 42.552, 296.653
Yxy	44.7569, 0.2607, 0.2370
Android (android.graphics.Color)	4289768184 (0xFFB0AAF8)
YUV	180.6860, 33.1858, -4.1096
Hunter-Lab	66.9006, 14.2833, -37.2367

Details

The Yxy color $44.7569, 0.2607, 0.2370$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $88.9089, 0.3561, 0.4089$, and the grayscale version is $45.8613, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.3941, 0.2993, 0.2986$, and $20.7834, 0.2460, 0.2151$ is the 20% darker color. If you saturate the color by 10%, you get $33.8755, 0.2406, 0.2024$, and if you desaturate by 10%, it is $57.8447, 0.2793, 0.2695$.

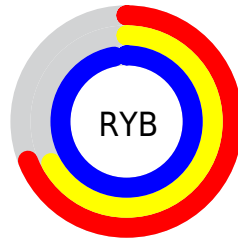
Distribution



Red (69%)

Green (67%)

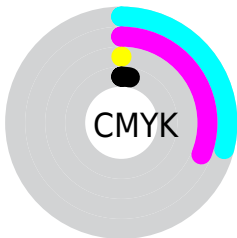
Blue (97%)



Red (69%)

Yellow (67%)

Blue (97%)

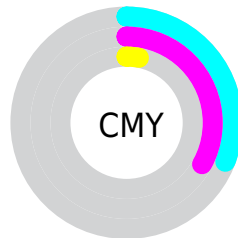


Cyan (29%)

Magenta (31%)

Yellow (0%)

Black (3%)



Cyan (31%)

Magenta (33%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.7569, 0.2607, 0.2370 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 44.7569, 0.2607, 0.2370 by changing the saturation by 10% instead.

■ 44.7569, 0.2607,
0.2370

■ 44.7569, 0.2607,
0.2370

■ 365.7881, 0.2868,
0.2804

■ 31.2660, 0.2543,
0.2270

■ 82.3555, 0.2701,
0.2521

■ 20.8015, 0.2462,
0.2148

■ 107.2320, 0.2737,
0.2580

■ 12.9790, 0.2357,
0.1994

■ 136.6724, 0.2767,
0.2630

■ 7.4141, 0.2215,
0.1795

■ 171.0612, 0.2793,
0.2674

■ 3.7224, 0.2016,
0.1533

■ 210.7828, 0.2815,
0.2713

■ 1.5195, 0.1724,
0.1180

■ 256.2216, 0.2835,

■ 0.3024, 0.1301,

0.2746

0.0522

307.7619, 0.2852,
0.2777

0.0000, 0.0000,
0.0000

44.7569, 0.2607,
0.2370

44.7569, 0.2607,
0.2370

33.8755, 0.2406,
0.2024

57.8447, 0.2793,
0.2695

25.0740, 0.2198,
0.1672

73.2459, 0.2960,
0.2991

18.2210, 0.1996,
0.1337

91.0665, 0.3107,
0.3254

13.1680, 0.1814,
0.1043

99.5579, 0.3168,
0.3357

9.7449, 0.1667,
0.0817

■ 7.7489, 0.1567,
0.0673

■ 6.9194, 0.1519,
0.0610

Harmonies

Analogous

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



44.7569, 0.2218, 0.2379



44.7569, 0.2607, 0.2370



44.7569, 0.3174, 0.2558

Triad

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



44.7569, 0.2607, 0.2370



44.7569, 0.4321, 0.3805



44.7569, 0.2469, 0.3698

Complementary

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



44.7569, 0.2607, 0.2370



88.9089, 0.3561, 0.4089

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.



44.7569, 0.2991, 0.4217



44.7569, 0.2607, 0.2370



44.7569, 0.4073, 0.4203

Square

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



44.7569, 0.2607, 0.2370



44.7569, 0.4220, 0.3341



44.7569, 0.3580, 0.4392



44.7569, 0.2140, 0.3083

Rectangle

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



44.7569, 0.2607, 0.2370



44.7569, 0.3588, 0.2773



44.7569, 0.3580, 0.4392



44.7569, 0.2626, 0.3897

Sweetspot

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



44.7586, 0.2607, 0.2370



82.4260, 0.2998, 0.3059



79.3087, 0.2669, 0.3231



17.0774, 0.2976, 0.3019



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.



44.7586, 0.2607, 0.2370



39.7760, 0.2476, 0.2143



49.8480, 0.2893, 0.2440



16.7075, 0.2991, 0.3045



3.7600, 0.1524, 0.0613



0.3698, 0.1580, 0.0644

Inverse Universe

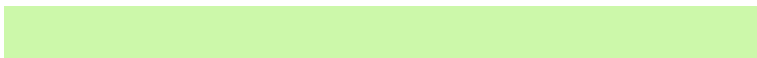
The Inverse Universe completely reimagines the original color for something new.



55.1093, 0.3212, 0.2561



52.4917, 0.3232, 0.2412



82.8511, 0.3299, 0.4162



17.4999, 0.3150, 0.3074



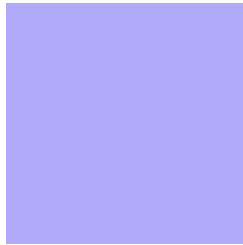
13.8371, 0.3415, 0.1655



1.2883, 0.3388, 0.1640

Previews

White Background



This preview shows how the Yxy color 44.7569, 0.2607, 0.2370 looks on a white background.

Color Contrast Check

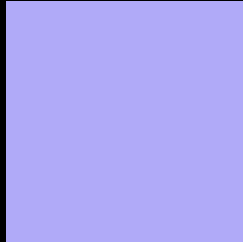
Large Text (above 18pt) WCAG AA × Fail

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 44.7569, 0.2607, 0.2370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

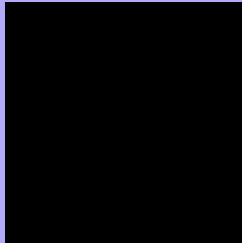
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.7569, 0.2607, 0.2370

Background



This preview shows how black text looks on a background with the Yxy color 44.7569, 0.2607, 0.2370.



This preview shows how white text looks on a background with the Yxy color 44.7569, 0.2607, 0.2370.

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

44.7569, 0.2607, 0.2370

Protanopia

45.0125, 0.2442, 0.2360

Deuteranopia

44.8340, 0.2487, 0.2422



Tritanopia

44.5820, 0.2889, 0.3089

Trichromacy



Original Color

44.7569, 0.2607, 0.2370

Protanomaly

44.9185, 0.2500, 0.2367

Deuteranomaly

44.7740, 0.2529, 0.2408

Tritanomaly

44.3407, 0.2782, 0.2802

Monochromacy



Original Color

44.7569, 0.2607, 0.2370

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.4358, 0.2926, 0.2933

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.7569, 0.2607, 0.2370 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(176, 170, 248)` looks like.

```
.text, #text, p{  
    color:rgb(176, 170, 248)  
}
```

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(176, 170, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 170, 248) }
```

Border

The CSS property to change the border of an element to Yxy 44.7569, 0.2607, 0.2370 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(176, 170, 248) }
```

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

```
.border{ border-color:rgb(176, 170, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 170, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 170, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 170, 248);  
box-shadow:4px 4px 4px 4px rgb(176, 170,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 44.7569, 0.2607, 0.2370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 170, 248) }
```

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

```
.background{ background-color: rgb(176,  
170, 248) }
```

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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