

Converting Colors

$Y_{xy}(47.5589, 0.2580, 0.2475)$

Have a look what the booklet for
Yxy(47.5589, 0.2580, 0.2475)
contains.

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Color

Yxy(47.5636, 0.2578, 0.2470)

Conversions

Conversions Part 1

Format	Color
Hex	AAB3F8
RGB	170, 179, 248
RGB Percent	67%, 70%, 97%
CMY	0.3332, 0.2980, 0.0275
CMYK	0.31, 0.28, 0.00, 0.03
HSL	233°, 85%, 82%
HSV	233°, 31%, 97%
XYZ	49.6433, 47.5636, 95.3583
YIQ	184.1750, -27.5130, 19.5510

Conversions

Conversions Part 2

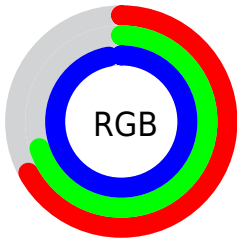
Format	Color
R_{YB}	170, 178, 248
Decimal	11187192
CIE _{Lab}	74.55, 12.37, -35.23
CIE _{LCh}	75, 37.340, 289.344
Yxy	47.5636, 0.2578, 0.2470
Android (android.graphics.Color)	4289377272 (0xFFAAB3F8)
YUV	184.1750, 31.4657, -12.4315
Hunter-Lab	68.9664, 7.7966, -33.7025

Details

The Yxy color **47.5636, 0.2578, 0.2470** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **84.6001, 0.3628, 0.3995**, and the grayscale version is **47.8720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9676, 0.2955, 0.3086**, and **22.3963, 0.2436, 0.2267** is the 20% darker color. If you saturate the color by 10%, you get **36.9491, 0.2375, 0.2155**, and if you desaturate by 10%, it is **60.1030, 0.2770, 0.2762**.

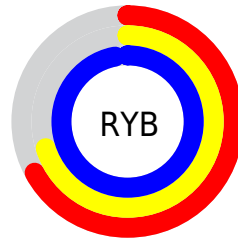
Distribution



Red (67%)

Green (70%)

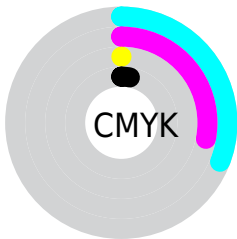
Blue (97%)



Red (67%)

Yellow (70%)

Blue (97%)

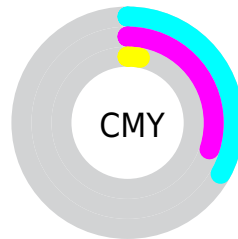


Cyan (31%)

Magenta (28%)

Yellow (0%)

Black (3%)



Cyan (33%)

Magenta (30%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.5636, 0.2578, 0.2470 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 47.5636, 0.2578, 0.2470 by changing the saturation by 10% instead.

■ 47.5636, 0.2578,
0.2470

■ 47.5636, 0.2578,
0.2470

377.0597, 0.2848,
0.2858

■ 33.4814, 0.2513,
0.2380

■ 86.5543, 0.2675,
0.2606

■ 22.4955, 0.2431,
0.2269

112.2316, 0.2711,
0.2658

■ 14.2214, 0.2325,
0.2129

142.5427, 0.2743,
0.2704

■ 8.2748, 0.2184,
0.1947

177.8721, 0.2770,
0.2743

■ 4.2713, 0.1988,
0.1703

218.6041, 0.2793,
0.2777

■ 1.8265, 0.1703,
0.1369

265.1231, 0.2814,


■ 0.5036, 0.1283,


0.2807


0.0827


317.8135, 0.2832,
0.2834


 0.0000, 0.0000,
0.0000


 47.5636, 0.2578,
0.2470


 47.5636, 0.2578,
0.2470


 36.9491, 0.2375,
0.2155


 60.1030, 0.2770,
0.2762

 28.1584, 0.2170,
0.1828

 74.6504, 0.2947,
0.3026

 21.0898, 0.1973,
0.1505

 91.2910, 0.3106,
0.3259

 15.6290, 0.1798,
0.1207

 99.5564, 0.3168,
0.3357

 11.6477, 0.1659,
0.0956

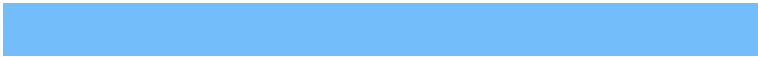
■ 8.9976, 0.1565,
0.0770

■ 7.6322, 0.1519,
0.0667

Harmonies

Analogous

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



47.5636, 0.2280, 0.2530



47.5636, 0.2578, 0.2470



47.5636, 0.3043, 0.2595

Triad

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



47.5636, 0.2578, 0.2470



47.5636, 0.4164, 0.3654



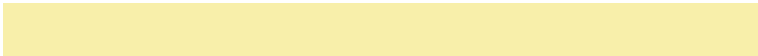
47.5636, 0.2660, 0.3763

Complementary

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



47.5636, 0.2578, 0.2470



84.6001, 0.3628, 0.3995

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.



47.5636, 0.3142, 0.4144



47.5636, 0.2578, 0.2470



47.5636, 0.4025, 0.4017

Square

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



47.5636, 0.2578, 0.2470



47.5636, 0.3997, 0.3245



47.5636, 0.3643, 0.4222



47.5636, 0.2320, 0.3242

Rectangle

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



47.5636, 0.2578, 0.2470



47.5636, 0.3398, 0.2764



47.5636, 0.3643, 0.4222



47.5636, 0.2810, 0.3917

Sweetspot

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



47.5654, 0.2578, 0.2470



83.6236, 0.2987, 0.3085



81.9007, 0.2721, 0.3391



17.3693, 0.2963, 0.3049



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.



47.5654, 0.2578, 0.2470



42.9674, 0.2445, 0.2264



47.8046, 0.2783, 0.2414



16.9644, 0.2979, 0.3073



4.2239, 0.1523, 0.0682



0.4919, 0.1565, 0.0833

Inverse Universe

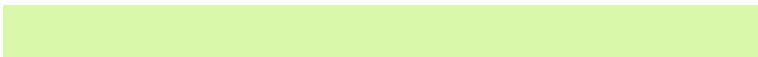
The Inverse Universe completely reimagines the original color for something new.



51.9692, 0.3764, 0.3195



48.6217, 0.3962, 0.3175



84.9504, 0.3395, 0.4134



17.2577, 0.3276, 0.3263



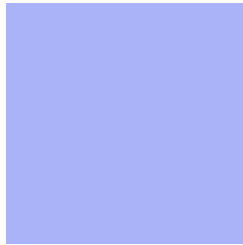
10.8373, 0.6263, 0.3224



1.0139, 0.6017, 0.3088

Previews

White Background



This preview shows how the Yxy color 47.5636, 0.2578, 0.2470 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 47.5636, 0.2578, 0.2470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

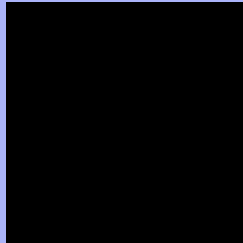
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.5636, 0.2578, 0.2470

Background



This preview shows how black text looks on a background with the Yxy color 47.5636, 0.2578, 0.2470.



This preview shows how white text looks on a background with the Yxy color 47.5636, 0.2578, 0.2470.

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

47.5636, 0.2578, 0.2470

Protanopia

47.6738, 0.2529, 0.2475

Deuteranopia

47.8244, 0.2548, 0.2487



Tritanopia

47.7518, 0.2801, 0.3092

Trichromacy



Original Color

47.5636, 0.2578, 0.2470

Protanomaly

47.5891, 0.2547, 0.2466

Deuteranomaly

47.6353, 0.2559, 0.2478

Tritanomaly

47.7049, 0.2722, 0.2857

Monochromacy



Original Color

47.5636, 0.2578, 0.2470

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.5446, 0.2914, 0.2974

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.5636, 0.2578, 0.2470 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(170, 179, 248)` looks like.

```
.text, #text, p{  
    color:rgb(170, 179, 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(170, 179, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 179, 248) }
```

Border

The CSS property to change the border of an element to Yxy 47.5636, 0.2578, 0.2470 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(170, 179, 248) }
```

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

```
.border{ border-color:rgb(170, 179, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 179, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 179, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 179, 248);  
box-shadow:4px 4px 4px 4px rgb(170, 179,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 47.5636, 0.2578, 0.2470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 179, 248) }
```

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

```
.background{ background-color: rgb(170,  
179, 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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