

Converting Colors

$Yxy(47.0343, 0.2531, 0.2372)$

Have a look what the booklet for
Yxy(47.0343, 0.2531, 0.2372)
contains.

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Color

Yxy(47.2103, 0.2535, 0.2377)

Conversions

Conversions Part 1

Format	Color
Hex	AAB1FF
RGB	170, 177, 255
RGB Percent	67%, 69%, 100%
CMY	0.3333, 0.3059, 0.0001
CMYK	0.33, 0.31, 0.00, 0.00
HSL	235°, 100%, 83%
HSV	235°, 33%, 100%
XYZ	50.3484, 47.2103, 101.0543
YIQ	183.7990, -29.2100, 22.7740

Conversions

Conversions Part 2

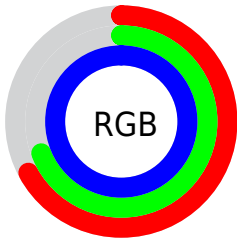
Format	Color
R _Y B	170, 176, 255
Decimal	11186687
CIE Lab	74.32, 15.23, -39.36
CIE LCh	74, 42.202, 291.161
Yxy	47.2103, 0.2535, 0.2377
Android (android.graphics.Color)	4289376767 (0xFFAAB1FF)
YUV	183.7990, 35.1021, -12.1017
Hunter-Lab	68.7098, 10.5572, -39.1034

Details

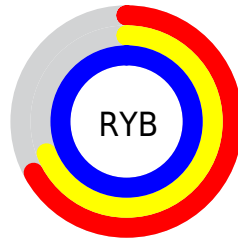
The Yxy color $47.2103, 0.2535, 0.2377$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $91.2881, 0.3652, 0.4063$, and the grayscale version is $47.6325, 0.3127, 0.3290$.

A 20% lighter version of the original color is $81.8287, 0.2954, 0.3065$, and $22.3893, 0.2378, 0.2165$ is the 20% darker color. If you saturate the color by 10%, you get $36.1755, 0.2327, 0.2047$, and if you desaturate by 10%, it is $60.3845, 0.2732, 0.2686$.

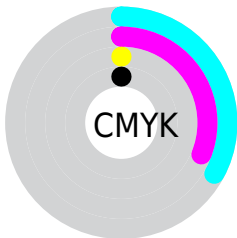
Distribution



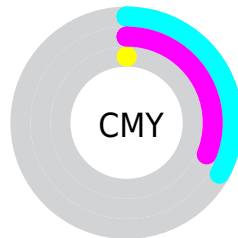
- Red (67%)
- Green (69%)
- Blue (100%)



- Red (67%)
- Yellow (69%)
- Blue (100%)



- Cyan (33%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.2103, 0.2535, 0.2377 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 47.2103, 0.2535, 0.2377 by changing the saturation by 10% instead.

■ 47.2103, 0.2535,
0.2377

■ 47.2103, 0.2535,
0.2377

375.6533, 0.2827,
0.2806

■ 33.2019, 0.2465,
0.2279

■ 86.0274, 0.2639,
0.2526

■ 22.2812, 0.2377,
0.2159

111.6050, 0.2679,
0.2584

■ 14.0637, 0.2265,
0.2008

141.8078, 0.2712,
0.2634

■ 8.1650, 0.2115,
0.1815

177.0201, 0.2742,
0.2677

■ 4.2007, 0.1909,
0.1561

217.6265, 0.2767,
0.2715

■ 1.7864, 0.1616,
0.1222

264.0112, 0.2789,

■ 0.4787, 0.1197,

0.2749

0.0693

316.5587, 0.2809,
0.2779

0.0000, 0.0000,
0.0000

47.2103, 0.2535,
0.2377

47.2103, 0.2535,
0.2377

36.1755, 0.2327,
0.2047

60.3845, 0.2732,
0.2686

27.1620, 0.2119,
0.1709

75.7973, 0.2914,
0.2966

20.0484, 0.1922,
0.1384

93.5481, 0.3077,
0.3214

14.6977, 0.1752,
0.1093

99.9991, 0.3127,
0.3290

10.9550, 0.1622,
0.0861

■ 8.6375, 0.1541,
0.0703

■ 7.7553, 0.1511,
0.0640

Harmonies

Analogous

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



47.2103, 0.2192, 0.2426



47.2103, 0.2535, 0.2377



47.2103, 0.3064, 0.2528

Triad

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



47.2103, 0.2535, 0.2377



47.2103, 0.4300, 0.3714



47.2103, 0.2568, 0.3795

Complementary

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



47.2103, 0.2535, 0.2377



91.2881, 0.3652, 0.4063

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.



47.2103, 0.3101, 0.4251



47.2103, 0.2535, 0.2377



47.2103, 0.4117, 0.4122

Square

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



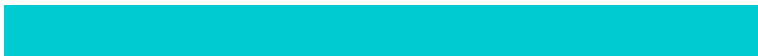
47.2103, 0.2535, 0.2377



47.2103, 0.4135, 0.3259



47.2103, 0.3670, 0.4352



47.2103, 0.2205, 0.3194

Rectangle

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



47.2103, 0.2535, 0.2377



47.2103, 0.3467, 0.2722



47.2103, 0.3670, 0.4352



47.2103, 0.2732, 0.3977

Sweetspot

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



47.2121, 0.2535, 0.2377



81.4485, 0.2970, 0.3052



86.8296, 0.2685, 0.3366



16.9164, 0.2947, 0.3016



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.



47.2121, 0.2535, 0.2377



39.6217, 0.2397, 0.2159



49.0096, 0.2778, 0.2359



17.6180, 0.2979, 0.3065



4.1358, 0.1514, 0.0652



0.4813, 0.1545, 0.0763

Inverse Universe

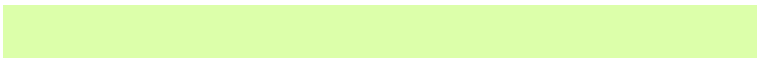
The Inverse Universe completely reimagines the original color for something new.



53.1841, 0.3846, 0.3218



46.6298, 0.4061, 0.3204



89.5638, 0.3392, 0.4196



18.0113, 0.3281, 0.3271



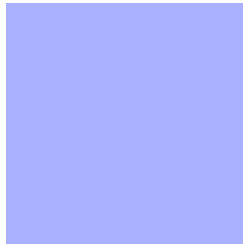
11.1455, 0.6313, 0.3252



1.0931, 0.6130, 0.3151

Previews

White Background



This preview shows how the Yxy color 47.2103, 0.2535, 0.2377 looks on a white background.

Color Contrast Check

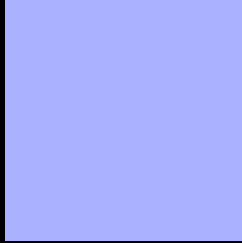
Large Text (above 18pt) WCAG AA × Fail

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 47.2103, 0.2535, 0.2377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

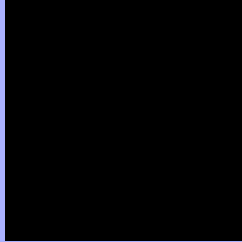
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.2103, 0.2535, 0.2377

Background



This preview shows how black text looks on a background with the Yxy color 47.2103, 0.2535, 0.2377.



This preview shows how white text looks on a background with the Yxy color 47.2103, 0.2535, 0.2377.

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

47.2103, 0.2535, 0.2377

Protanopia

47.3361, 0.2476, 0.2398

Deuteranopia

47.0674, 0.2469, 0.2405



Tritanopia

47.0740, 0.2792, 0.3090

Trichromacy



Original Color

47.2103, 0.2535, 0.2377

Protanomaly

47.3527, 0.2499, 0.2392

Deuteranomaly

47.0773, 0.2492, 0.2399

Tritanomaly

46.7688, 0.2692, 0.2805

Monochromacy



Original Color

47.2103, 0.2535, 0.2377

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.2846, 0.2892, 0.2925

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2103, 0.2535, 0.2377 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, 177, 255)` looks like.

```
.text, #text, p{  
    color:rgb(170, 177, 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(170, 177, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 177, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.2103, 0.2535, 0.2377 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, 177, 255) }
```

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

```
.border{ border-color:rgb(170, 177, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 177, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 177, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 177, 255);  
box-shadow:4px 4px 4px 4px rgb(170, 177,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2103, 0.2535, 0.2377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 177, 255) }
```

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

```
.background{ background-color: rgb(170,  
177, 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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