

Converting Colors

$Yxy(49.8872, 0.2449, 0.2240)$

Have a look what the booklet for
Yxy(49.8872, 0.2449, 0.2240)
contains.

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Color

Yxy(48.6332, 0.2553, 0.2416)

Conversions

Conversions Part 1

Format	Color
Hex	ACB4FF
RGB	172, 180, 255
RGB Percent	67%, 71%, 100%
CMY	0.3253, 0.2942, 0.0001
CMYK	0.33, 0.29, 0.00, 0.00
HSL	234°, 100%, 84%
HSV	234°, 33%, 100%
XYZ	51.3910, 48.6332, 101.2722
YIQ	186.1580, -28.8430, 21.6290

Conversions

Conversions Part 2

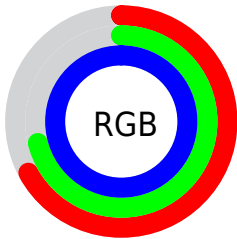
Format	Color
R _Y B	172, 179, 255
Decimal	11318527
CIE Lab	75.22, 14.14, -37.95
CIE LCh	75, 40.494, 290.430
Yxy	48.6332, 0.2553, 0.2416
Android (android.graphics.Color)	4289508607 (0xFFACB4FF)
YUV	186.1580, 33.9391, -12.4166
Hunter-Lab	69.7375, 9.4996, -37.2842

Details

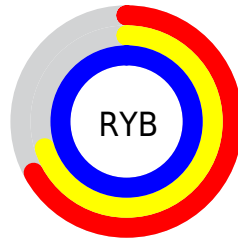
The Yxy color **48.6332, 0.2553, 0.2416** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **90.7894, 0.3643, 0.4035**, and the grayscale version is **49.0197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8689, 0.2968, 0.3097**, and **23.0379, 0.2399, 0.2200** is the 20% darker color. If you saturate the color by 10%, you get **37.4725, 0.2347, 0.2092**, and if you desaturate by 10%, it is **61.8998, 0.2748, 0.2718**.

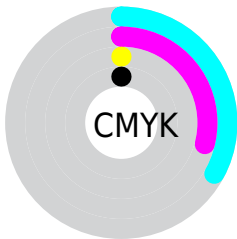
Distribution



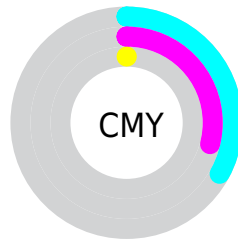
- Red (67%)
- Green (71%)
- Blue (100%)



- Red (67%)
- Yellow (70%)
- Blue (100%)



- Cyan (33%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)





- Cyan (33%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.6332, 0.2553, 0.2416 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 48.6332, 0.2553, 0.2416 by changing the saturation by 10% instead.


 48.6332, 0.2553,
0.2416

 48.6332, 0.2553,
0.2416


381.2965, 0.2834,
0.2826

 34.3286, 0.2486,
0.2322


 88.1464, 0.2653,
0.2558

 23.1462, 0.2401,
0.2207


114.1239, 0.2691,
0.2614

 14.7015, 0.2293,
0.2063


144.7610, 0.2724,
0.2662

 8.6101, 0.2149,
0.1877

180.4423, 0.2752,
0.2703

 4.4878, 0.1952,
0.1633

221.5521, 0.2777,
0.2739

 1.9500, 0.1670,
0.1302

268.4748, 0.2798,

 0.5782, 0.1260,

0.2772

0.0813

321.5948, 0.2817,
0.2800

0.0000, 0.0000,
0.0000

48.6332, 0.2553,
0.2416

48.6332, 0.2553,
0.2416

37.4725, 0.2347,
0.2092

61.8998, 0.2748,
0.2718

28.3037, 0.2140,
0.1758

77.3672, 0.2928,
0.2991

21.0107, 0.1943,
0.1433

95.1312, 0.3089,
0.3234

15.4630, 0.1771,
0.1138

99.9990, 0.3127,
0.3290

11.5131, 0.1637,
0.0898

■ 8.9886, 0.1550,
0.0728

■ 7.8888, 0.1514,
0.0650

Harmonies

Analogous

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



48.6332, 0.2229, 0.2470



48.6332, 0.2553, 0.2416



48.6332, 0.3055, 0.2556

Triad

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



48.6332, 0.2553, 0.2416



48.6332, 0.4243, 0.3689



48.6332, 0.2607, 0.3782

Complementary

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



48.6332, 0.2553, 0.2416



90.7894, 0.3643, 0.4035

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.



48.6332, 0.3119, 0.4206



48.6332, 0.2553, 0.2416



48.6332, 0.4078, 0.4078

Square

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



48.6332, 0.2553, 0.2416



48.6332, 0.4076, 0.3253



48.6332, 0.3659, 0.4297



48.6332, 0.2254, 0.3215

Rectangle

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



48.6332, 0.2553, 0.2416



48.6332, 0.3438, 0.2739



48.6332, 0.3659, 0.4297



48.6332, 0.2765, 0.3952

Sweetspot

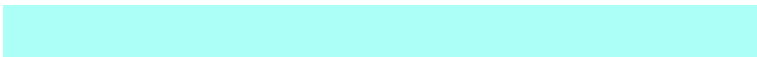
The Sweet Spot groups the original color and five complimentary colors.



48.6351, 0.2553, 0.2416



81.6398, 0.2970, 0.3056



86.9834, 0.2701, 0.3380



16.9622, 0.2947, 0.3020



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.



48.6351, 0.2553, 0.2416



41.1772, 0.2420, 0.2208



49.7570, 0.2778, 0.2381



17.6572, 0.2979, 0.3068



4.2150, 0.1518, 0.0663



0.4997, 0.1552, 0.0788

Inverse Universe

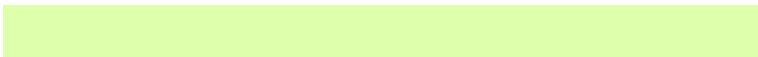
The Inverse Universe completely reimagines the original color for something new.



54.0785, 0.3811, 0.3209



47.6052, 0.4014, 0.3192



89.9908, 0.3395, 0.4170



18.0153, 0.3279, 0.3268



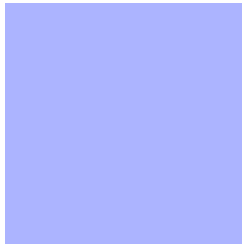
11.1535, 0.6295, 0.3241



1.0950, 0.6089, 0.3128

Previews

White Background



This preview shows how the Yxy color 48.6332, 0.2553, 0.2416 looks on a white background.

Color Contrast Check

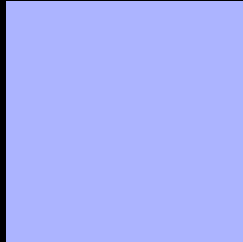
Large Text (above 18pt) WCAG AA × Fail

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 48.6332, 0.2553, 0.2416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

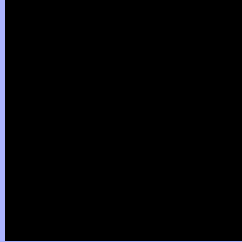
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.6332, 0.2553, 0.2416

Background



This preview shows how black text looks on a background with the Yxy color 48.6332, 0.2553, 0.2416.



This preview shows how white text looks on a background with the Yxy color 48.6332, 0.2553, 0.2416.

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

48.6332, 0.2553, 0.2416

Protanopia

48.8735, 0.2500, 0.2439

Deuteranopia

48.8093, 0.2505, 0.2449



Tritanopia

48.8118, 0.2797, 0.3093

Trichromacy



Original Color

48.6332, 0.2553, 0.2416

Protanomaly

48.7829, 0.2517, 0.2431

Deuteranomaly

48.7186, 0.2522, 0.2441

Tritanomaly

48.4449, 0.2704, 0.2824

Monochromacy



Original Color

48.6332, 0.2553, 0.2416

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.8079, 0.2901, 0.2953

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6332, 0.2553, 0.2416 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(172, 180, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 180, 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(172, 180, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 180, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.6332, 0.2553, 0.2416 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(172, 180, 255) }
```

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

```
.border{ border-color:rgb(172, 180, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 180, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 180, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 180, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 180,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6332, 0.2553, 0.2416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 180, 255) }
```

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

```
.background{ background-color: rgb(172,  
180, 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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