

# Converting Colors

Yxy(52.3780, 0.2606, 0.2546)

Have a look what the booklet for  
Yxy(52.3780, 0.2606, 0.2546)  
contains.

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# Color

**Yxy(52.2248, 0.2607, 0.2547)**

# Conversions

Conversions Part 1	
Format	Color
Hex	B0BCFC
RGB	176, 188, 252
RGB Percent	69%, 74%, 99%
CMY	0.3099, 0.2627, 0.0117
CMYK	0.30, 0.25, 0.00, 0.01
HSL	231°, 93%, 84%
HSV	231°, 30%, 99%
XYZ	53.4551, 52.2248, 99.3645
YIQ	191.7080, -27.6960, 17.3600

# Conversions

## Conversions Part 2

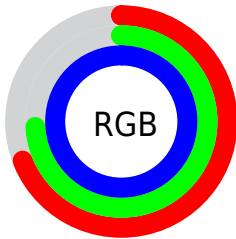
Format	Color
<a href="#">RYB</a>	<a href="#">176, 186, 252</a>
Decimal	<a href="#">11582716</a>
CIELab	<a href="#">77.42, 10.07, -32.93</a>
CIELCh	<a href="#">77, 34.437, 286.997</a>
Yxy	<a href="#">52.2248, 0.2607, 0.2547</a>
Android (android.graphics.Color)	<a href="#">4289772796</a> (0xFFB0BCFC)
YUV	<a href="#">191.7080, 29.7240, -13.7759</a>
Hunter-Lab	<a href="#">72.2667, 5.5681, -30.9352</a>

# Details

The Yxy color `52.2248, 0.2607, 0.2547` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `86.1374, 0.3617, 0.3937`, and the grayscale version is `52.3683, 0.3127, 0.3290`.

A 20% lighter version of the original color is `89.2450, 0.2993, 0.3180`, and `25.3330, 0.2470, 0.2371` is the 20% darker color. If you saturate the color by 10%, you get `41.1498, 0.2409, 0.2249`, and if you desaturate by 10%, it is `65.1813, 0.2795, 0.2821`.

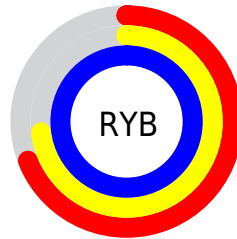
# Distribution



Red (69%)

Green (74%)

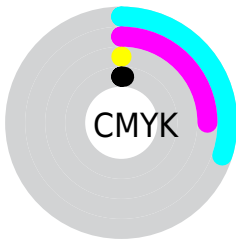
Blue (99%)



Red (69%)

Yellow (73%)

Blue (99%)

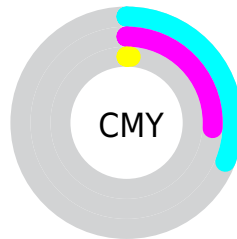


Cyan (30%)

Magenta (25%)

Yellow (0%)

Black (1%)



Cyan (31%)

Magenta (26%)


Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.2248, 0.2607, 0.2547 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 52.2248, 0.2607, 0.2547 by changing the saturation by 10% instead.




 52.2248, 0.2607,  
0.2547

 52.2248, 0.2607,  
0.2547


395.3038, 0.2859,  
0.2896

 37.1843, 0.2547,  
0.2467


 93.4627, 0.2696,  
0.2669

 25.3502, 0.2472,  
0.2368


120.4289, 0.2731,  
0.2716

 16.3382, 0.2376,  
0.2243


152.1390, 0.2760,  
0.2756

 9.7638, 0.2249,  
0.2081

188.9776, 0.2785,  
0.2792

 5.2426, 0.2074,  
0.1865

231.3290, 0.2807,  
0.2823

 2.3903, 0.1821,  
0.1565

279.5776, 0.2827,


 0.8209, 0.1440,


0.2850

0.1137


334.1077, 0.2844,  
0.2874


 0.0000, 0.0000,  
0.0000


 52.2248, 0.2607,  
0.2547


 52.2248, 0.2607,  
0.2547


 41.1498, 0.2409,  
0.2249


 65.1813, 0.2795,  
0.2821

 31.8619, 0.2208,  
0.1937

 80.0953, 0.2968,  
0.3068

 24.2680, 0.2014,  
0.1622

 97.0462, 0.3125,  
0.3287

 18.2636, 0.1838,  
0.1324

99.8088, 0.3144,  
0.3319

 13.7325, 0.1695,  
0.1063

■ 10.5415, 0.1592,  
0.0855

■ 8.5382, 0.1532,  
0.0714

# Harmonies

## Analogous

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



52.2248, 0.2349, 0.2619



52.2248, 0.2607, 0.2547



52.2248, 0.3018, 0.2647

# Triad

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



52.2248, 0.2607, 0.2547



52.2248, 0.4052, 0.3597



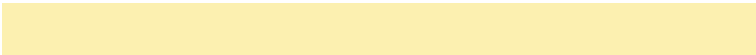
52.2248, 0.2741, 0.3744

# Complementary

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



52.2248, 0.2607, 0.2547



86.1374, 0.3617, 0.3937

# 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.



52.2248, 0.3181, 0.4062



52.2248, 0.2607, 0.2547



52.2248, 0.3952, 0.3927

# Square

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



52.2248, 0.2607, 0.2547



52.2248, 0.3881, 0.3225



52.2248, 0.3627, 0.4117



52.2248, 0.2419, 0.3287



# Rectangle

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



52.2248, 0.2607, 0.2547



52.2248, 0.3334, 0.2795



52.2248, 0.3627, 0.4117



52.2248, 0.2879, 0.3874

# Sweetspot

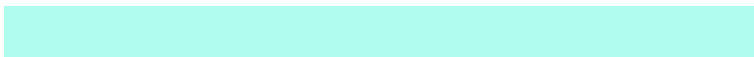
The Sweet Spot groups the original color and five complimentary colors.



52.2268, 0.2607, 0.2547



84.1919, 0.2987, 0.3095



85.1055, 0.2754, 0.3429



17.5081, 0.2963, 0.3061



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.



52.2268, 0.2607, 0.2547



46.7598, 0.2492, 0.2375



50.5330, 0.2771, 0.2445



17.0864, 0.2979, 0.3084



4.5826, 0.1537, 0.0733



0.5493, 0.1588, 0.0915



# Inverse Universe

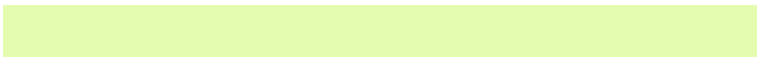
The Inverse Universe completely reimagines the original color for something new.



55.3704, 0.3700, 0.3164



50.7289, 0.3860, 0.3139



89.0362, 0.3411, 0.4092



17.2700, 0.3269, 0.3253



10.8735, 0.6179, 0.3177

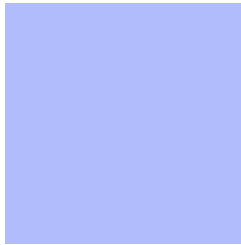


1.0197, 0.5888, 0.3017



# Previews

## White Background



This preview shows how the Yxy color 52.2248, 0.2607, 0.2547 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

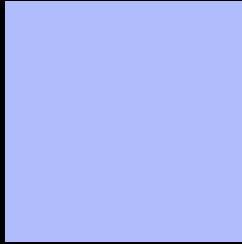
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.2248, 0.2607, 0.2547 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

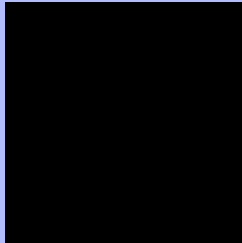
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.2248, 0.2607, 0.2547**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.2248, 0.2607, 0.2547.



This preview shows how white text looks on a background with the Yxy color 52.2248, 0.2607, 0.2547.

# 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

52.2248, 0.2607, 0.2547

### Protanopia

52.3713, 0.2584, 0.2545

### Deuteranopia

52.2248, 0.2607, 0.2547



## Tritanopia

52.3985, 0.2806, 0.3099

# Trichromacy



**Original Color**  
52.2248, 0.2607, 0.2547

**Protanomaly**  
52.4857, 0.2590, 0.2546

**Deuteranomaly**  
52.2248, 0.2607, 0.2547

**Tritanomaly**  
52.1770, 0.2728, 0.2883

# Monochromacy



**Original Color**  
52.2248, 0.2607, 0.2547

**Achromatopsia**  
52.7115, 0.3127, 0.3290

**Achromatomaly**  
52.5557, 0.2921, 0.3009

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.2248, 0.2607, 0.2547 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, 188, 252) looks like.

```
.text, #text, p{  
    color:rgb(176, 188, 252)  
}
```

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, 188, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 188, 252) }
```

## Border

The CSS property to change the border of an element to Yxy 52.2248, 0.2607, 0.2547 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, 188, 252) }
```

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

```
.border{ border-color:rgb(176, 188, 252) }
```

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

Here you see how a box with a 4 pixel rgb(176, 188, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 188, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 188, 252);  
box-shadow:4px 4px 4px 4px rgb(176, 188,  
252) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.2248, 0.2607, 0.2547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 188, 252) }
```

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

```
.background{ background-color: rgb(176,  
188, 252) }
```

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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