

# Converting Colors

$Y_{xy}(41.1335, 0.2260, 0.2253)$

Have a look what the booklet for  
Yxy(41.1335, 0.2260, 0.2253)  
contains.

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# **Color**

**Yxy(41.0850, 0.2258, 0.2249)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7DACFF
RGB	125, 172, 255
RGB Percent	49%, 67%, 100%
CMY	0.5101, 0.3254, 0.0001
CMYK	0.51, 0.33, 0.00, 0.00
HSL	218°, 100%, 74%
HSV	218°, 51%, 100%
XYZ	41.2494, 41.0850, 100.3468
YIQ	167.4090, -54.6550, 15.8490

# Conversions

## Conversions Part 2

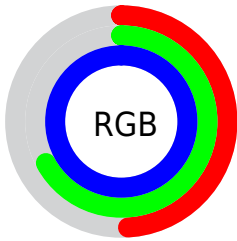
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">125, 160, 255</a>
Decimal	<a href="#">8236287</a>
CIELab	<a href="#">70.24, 6.85, -45.95</a>
CIELCh	<a href="#">70, 46.457, 278.481</a>
Yxy	<a href="#">41.0850, 0.2258, 0.2249</a>
Android (android.graphics.Color)	<a href="#">4286426367 (0xFF7DACFF)</a>
YUV	<a href="#">167.4090, 43.1824, -37.1927</a>
Hunter-Lab	<a href="#">64.0976, 2.7013, -47.9521</a>

# Details

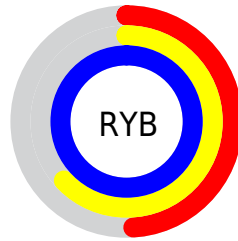
The Yxy color **41.0850, 0.2258, 0.2249** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **67.7950, 0.4109, 0.4130**, and the grayscale version is **38.6530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.3485, 0.2689, 0.2980**, and **18.6001, 0.2032, 0.1986** is the 20% darker color. If you saturate the color by 10%, you get **33.5906, 0.2090, 0.2001**, and if you desaturate by 10%, it is **49.8325, 0.2435, 0.2489**.

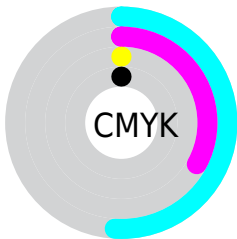
# Distribution



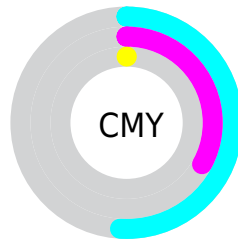
- Red (49%)
- Green (67%)
- Blue (100%)



- Red (49%)
- Yellow (63%)
- Blue (100%)



- Cyan (51%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)




- Cyan (51%)
- Magenta (33%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.0850, 0.2258, 0.2249 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 41.0850, 0.2258, 0.2249 by changing the saturation by 10% instead.





 41.0850, 0.2258,  
0.2249


 41.0850, 0.2258,  
0.2249


350.6757, 0.2684,  
0.2749

 28.3855, 0.2157,  
0.2133


 76.8129, 0.2409,  
0.2424

 18.6165, 0.2032,  
0.1991


 100.6101, 0.2467,  
0.2492

 11.3935, 0.1872,  
0.1812


 128.8754, 0.2517,  
0.2550

 6.3321, 0.1665,  
0.1583

161.9930, 0.2559,  
0.2601

 3.0481, 0.1391,  
0.1287

200.3475, 0.2597,  
0.2645

 1.1569, 0.1026,  
0.0905

244.3232, 0.2629,

 0.0261, 0.0336,

0.2684

0.0046

294.3045, 0.2658,  
0.2718

0.0000, 0.0000,  
0.0000

41.0850, 0.2258,  
0.2249

41.0850, 0.2258,  
0.2249

33.5906, 0.2090,  
0.2001

49.8325, 0.2435,  
0.2489

27.2792, 0.1937,  
0.1752

59.8891, 0.2613,  
0.2714

22.0792, 0.1809,  
0.1513

71.3122, 0.2788,  
0.2921

17.9067, 0.1709,  
0.1294

84.1542, 0.2955,  
0.3108

14.9291, 0.1645,  
0.1121

98.4645, 0.3112,  
0.3274

99.9988, 0.3127,  
0.3290

# Harmonies

## Analogous

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



41.0850, 0.1982, 0.2400



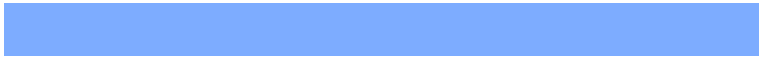
41.0850, 0.2258, 0.2249



41.0850, 0.2774, 0.2331

# Triad

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



41.0850, 0.2258, 0.2249



41.0850, 0.4449, 0.3538



41.0850, 0.2720, 0.4146

# Complementary

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



41.0850, 0.2258, 0.2249



67.7950, 0.4109, 0.4130

# 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.



41.0850, 0.3366, 0.4515



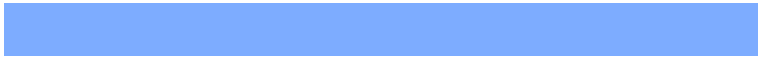
41.0850, 0.2258, 0.2249



41.0850, 0.4392, 0.4039

# Square

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



41.0850, 0.2258, 0.2249



41.0850, 0.4094, 0.3036



41.0850, 0.3981, 0.4429



41.0850, 0.2217, 0.3465



# Rectangle

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



41.0850, 0.2258, 0.2249



41.0850, 0.3218, 0.2499



41.0850, 0.3981, 0.4429



41.0850, 0.2928, 0.4319

# Sweetspot

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



41.0865, 0.2258, 0.2249



78.8613, 0.2889, 0.3036



80.3821, 0.2672, 0.3870



16.3004, 0.2854, 0.2996



0.0000, 0.0000, 0.0000

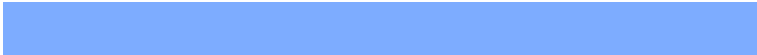


21.4041, 0.3127, 0.3290

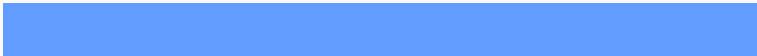


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.0865, 0.2258, 0.2249



33.5983, 0.2090, 0.2001



27.6439, 0.2255, 0.1704



18.4543, 0.2979, 0.3134



8.0594, 0.1653, 0.1151



0.9834, 0.1716, 0.1376



# Inverse Universe

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



38.8859, 0.4044, 0.2808



32.6617, 0.4335, 0.2737



91.1017, 0.3753, 0.4584



18.0958, 0.3237, 0.3204



11.5416, 0.5536, 0.2823



1.1438, 0.5223, 0.2651



# Previews

## White Background



This preview shows how the Yxy color 41.0850, 0.2258, 0.2249 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

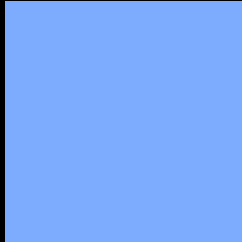
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.0850, 0.2258, 0.2249 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

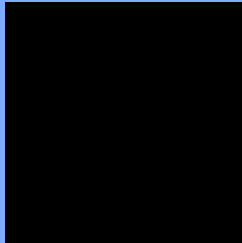
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

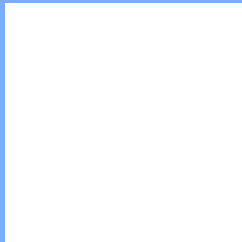
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 41.0850, 0.2258, 0.2249**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.0850, 0.2258, 0.2249.



This preview shows how white text looks on a background with the Yxy color 41.0850, 0.2258, 0.2249.

# 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

41.0850, 0.2258, 0.2249

### Protanopia

40.8732, 0.2364, 0.2252

### Deuteranopia

40.9560, 0.2296, 0.2234



## Tritanopia

41.0084, 0.2474, 0.3068

# Trichromacy



## Original Color

41.0850, 0.2258, 0.2249

## Protanomaly

40.7020, 0.2320, 0.2245

## Deuteranomaly

41.0916, 0.2282, 0.2242

## Tritanomaly

40.8654, 0.2387, 0.2732

# Monochromacy



## Original Color

41.0850, 0.2258, 0.2249

## Achromatopsia

38.6429, 0.3127, 0.3290

## Achromatomaly

39.1749, 0.2748, 0.2875

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.0850, 0.2258, 0.2249 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(125, 172, 255)` looks like.

```
.text, #text, p{  
    color:rgb(125, 172, 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(125, 172, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 172, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 41.0850, 0.2258, 0.2249 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(125, 172, 255) }
```

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

```
.border{ border-color:rgb(125, 172, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 172, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 172, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 172, 255);  
box-shadow:4px 4px 4px 4px rgb(125, 172,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.0850, 0.2258, 0.2249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 172, 255) }
```

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

```
.background{ background-color: rgb(125,  
172, 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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