

# Converting Colors

$Y_{xy}(42.0869, 0.2355, 0.2284)$

Have a look what the booklet for  
Yxy(42.0869, 0.2355, 0.2284)  
contains.

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# Color

**Yxy(42.2596, 0.2356, 0.2290)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8DACFD
RGB	141, 172, 253
RGB Percent	55%, 67%, 99%
CMY	0.4467, 0.3256, 0.0078
CMYK	0.44, 0.32, 0.00, 0.01
HSL	223°, 97%, 77%
HSV	223°, 44%, 99%
XYZ	43.4776, 42.2596, 98.8026
YIQ	171.9650, -44.4770, 18.6190

# Conversions

## Conversions Part 2

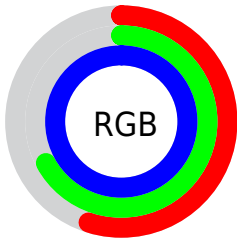
Format	Color
<a href="#">RYB</a>	<a href="#">141, 165, 253</a>
Decimal	<a href="#">9284861</a>
CIELab	<a href="#">71.05, 10.04, -43.54</a>
CIELCh	<a href="#">71, 44.684, 282.983</a>
Yxy	<a href="#">42.2596, 0.2356, 0.2290</a>
Android (android.graphics.Color)	<a href="#">4287474941 (0xFF8DACFD)</a>
YUV	<a href="#">171.9650, 39.9503, -27.1563</a>
Hunter-Lab	<a href="#">65.0074, 5.6196, -44.6077</a>

# Details

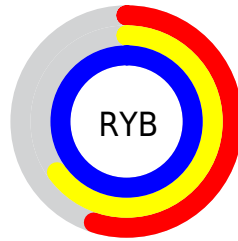
The Yxy color **42.2596, 0.2356, 0.2290** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **75.1107, 0.3915, 0.4115**, and the grayscale version is **41.0554, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.3003, 0.2778, 0.2988**, and **19.3033, 0.2152, 0.2042** is the 20% darker color. If you saturate the color by 10%, you get **33.7921, 0.2170, 0.2015**, and if you desaturate by 10%, it is **52.1976, 0.2544, 0.2553**.

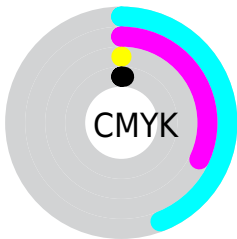
# Distribution



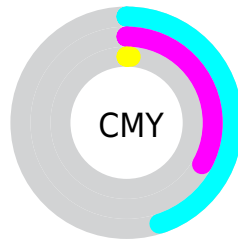
- Red (55%)
- Green (67%)
- Blue (99%)



- Red (55%)
- Yellow (65%)
- Blue (99%)



- Cyan (44%)
- Magenta (32%)
- Yellow (0%)
- Black (1%)




- Cyan (45%)
- Magenta (33%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2596, 0.2356, 0.2290 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 42.2596, 0.2356, 0.2290 by changing the saturation by 10% instead.





 42.2596, 0.2356,  
0.2290


 42.2596, 0.2356,  
0.2290


355.5580, 0.2736,  
0.2768

 29.3046, 0.2265,  
0.2180


 78.5924, 0.2491,  
0.2457

 19.3114, 0.2152,  
0.2043

 102.7389, 0.2543,  
0.2522

 11.8955, 0.2007,  
0.1872


131.3848, 0.2587,  
0.2578

 6.6726, 0.1816,  
0.1653

164.9145, 0.2625,  
0.2626

 3.2582, 0.1559,  
0.1366

203.7122, 0.2658,  
0.2668

 1.2680, 0.1207,  
0.0991

248.1624, 0.2687,

 0.1162, 0.0618,

0.2705

0.0202

298.6495, 0.2713,  
0.2738

0.0000, 0.0000,  
0.0000

42.2596, 0.2356,  
0.2290

42.2596, 0.2356,  
0.2290

33.7921, 0.2170,  
0.2015

52.1976, 0.2544,  
0.2553

26.7166, 0.1995,  
0.1736

63.6700, 0.2727,  
0.2796

20.9534, 0.1840,  
0.1467

76.7423, 0.2901,  
0.3017

16.4120, 0.1715,  
0.1222

91.4746, 0.3063,  
0.3214

12.9873, 0.1625,  
0.1013

99.8726, 0.3139,  
0.3309

■ 11.4545, 0.1587,  
0.0913

# Harmonies

## Analogous

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



42.2596, 0.2053, 0.2402



42.2596, 0.2356, 0.2290



42.2596, 0.2882, 0.2399

# Triad

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



42.2596, 0.2356, 0.2290



42.2596, 0.4405, 0.3607



42.2596, 0.2656, 0.4017

# Complementary

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



42.2596, 0.2356, 0.2290



75.1107, 0.3915, 0.4115

# 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.



42.2596, 0.3265, 0.4428



42.2596, 0.2356, 0.2290



42.2596, 0.4296, 0.4079

# Square

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



42.2596, 0.2356, 0.2290



42.2596, 0.4121, 0.3119



42.2596, 0.3867, 0.4414



42.2596, 0.2204, 0.3357



# Rectangle

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



42.2596, 0.2356, 0.2290



42.2596, 0.3316, 0.2578



42.2596, 0.3867, 0.4414



42.2596, 0.2849, 0.4196

# Sweetspot

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



42.2611, 0.2356, 0.2290



79.8790, 0.2921, 0.3042



81.1639, 0.2673, 0.3664



16.4280, 0.2884, 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.



42.2611, 0.2356, 0.2290



35.3715, 0.2193, 0.2048



34.2013, 0.2458, 0.1962



18.1939, 0.2979, 0.3113



6.3008, 0.1594, 0.0939



0.7871, 0.1654, 0.1154



# Inverse Universe

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



42.9363, 0.3973, 0.2967



37.0968, 0.4241, 0.2911



88.8017, 0.3617, 0.4450



18.0695, 0.3251, 0.3225



11.3640, 0.5851, 0.2997



1.1240, 0.5532, 0.2821



# Previews

## White Background



This preview shows how the Yxy color 42.2596, 0.2356, 0.2290 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

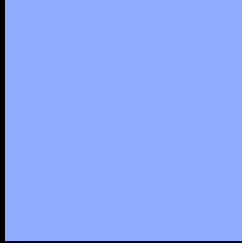
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.2596, 0.2356, 0.2290 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

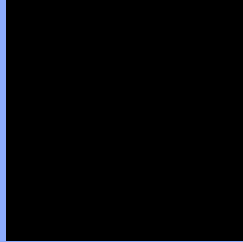
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 42.2596, 0.2356, 0.2290**

## **Background**



This preview shows how black text looks on a background with the Yxy color 42.2596, 0.2356, 0.2290.



This preview shows how white text looks on a background with the Yxy color 42.2596, 0.2356, 0.2290.

# 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

42.2596, 0.2356, 0.2290

### Protanopia

42.3571, 0.2394, 0.2296

### Deuteranopia

42.2596, 0.2356, 0.2290



## Tritanopia

42.3798, 0.2592, 0.3075

# Trichromacy



## Original Color

42.2596, 0.2356, 0.2290

## Protanomaly

42.1738, 0.2382, 0.2293

## Deuteranomaly

42.2596, 0.2356, 0.2290

## Tritanomaly

42.1274, 0.2497, 0.2759

# Monochromacy



## Original Color

42.2596, 0.2356, 0.2290

## Achromatopsia

41.2543, 0.3127, 0.3290

## Achromatomaly

41.2992, 0.2808, 0.2900

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.2596, 0.2356, 0.2290 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(141, 172, 253)` looks like.

```
.text, #text, p{  
    color:rgb(141, 172, 253)  
}
```

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(141, 172, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 172, 253) }
```

## Border

The CSS property to change the border of an element to Yxy 42.2596, 0.2356, 0.2290 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(141, 172, 253) }
```

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

```
.border{ border-color:rgb(141, 172, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 172, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 172, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 172, 253);  
box-shadow:4px 4px 4px 4px rgb(141, 172,  
253) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.2596, 0.2356, 0.2290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 172, 253) }
```

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

```
.background{ background-color: rgb(141,  
172, 253) }
```

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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