

# Converting Colors

$Y_{xy}(41.0640, 0.2654, 0.2141)$

Have a look what the booklet for  
Yxy(41.0640, 0.2654, 0.2141)  
contains.

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# Color

**Yxy(41.0788, 0.2654, 0.2141)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BF99FF
RGB	191, 153, 255
RGB Percent	75%, 60%, 100%
CMY	0.2511, 0.3999, 0.0000
CMYK	0.25, 0.40, 0.00, 0.00
HSL	262°, 100%, 80%
HSV	262°, 40%, 100%
XYZ	50.9216, 41.0788, 99.8670
YIQ	175.9900, -10.0940, 39.7780

# Conversions

## Conversions Part 2

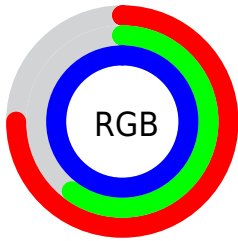
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">191, 153, 255</a>
Decimal	<a href="#">12556799</a>
CIELab	<a href="#">70.23, 34.41, -45.65</a>
CIELCh	<a href="#">70, 57.160, 307.008</a>
Yxy	<a href="#">41.0788, 0.2654, 0.2141</a>
Android (android.graphics.Color)	<a href="#">4290746879 (0xFFBF99FF)</a>
YUV	<a href="#">175.9900, 38.9519, 13.1638</a>
Hunter-Lab	<a href="#">64.0927, 29.6557, -47.5186</a>

# Details

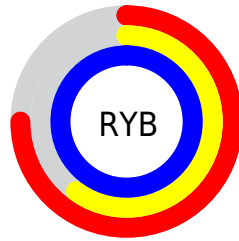
The Yxy color **41.0788, 0.2654, 0.2141** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **88.5805, 0.3468, 0.4379**, and the grayscale version is **43.2064, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4715, 0.3106, 0.2825**, and **18.5355, 0.2507, 0.1871** is the 20% darker color. If you saturate the color by 10%, you get **31.6407, 0.2501, 0.1824**, and if you desaturate by 10%, it is **52.5283, 0.2795, 0.2455**.

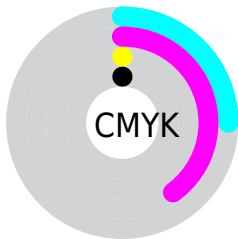
# Distribution



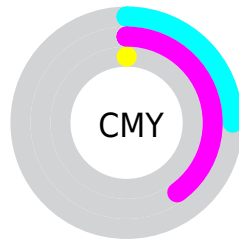
- Red (75%)
- Green (60%)
- Blue (100%)



- Red (75%)
- Yellow (60%)
- Blue (100%)



- Cyan (25%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)




- Cyan (25%)
- Magenta (40%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.0788, 0.2654, 0.2141 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 41.0788, 0.2654, 0.2141 by changing the saturation by 10% instead.




 41.0788, 0.2654,  
0.2141


 41.0788, 0.2654,  
0.2141

350.6499, 0.2901,  
0.2672

 28.3807, 0.2592,  
0.2023


 76.8035, 0.2745,  
0.2324

 18.6128, 0.2512,  
0.1879


 100.5989, 0.2778,  
0.2395

 11.3908, 0.2407,  
0.1701


128.8621, 0.2807,  
0.2457

 6.3304, 0.2265,  
0.1478

161.9775, 0.2831,  
0.2511

 3.0470, 0.2063,  
0.1194

200.3297, 0.2852,  
0.2559

 1.1563, 0.1766,  
0.0837

244.3028, 0.2870,

 0.0256, 0.1367,

0.2601

0.0040

294.2814, 0.2886,  
0.2638

0.0000, 0.0000,  
0.0000

41.0788, 0.2654,  
0.2141

41.0788, 0.2654,  
0.2141

31.6407, 0.2501,  
0.1824

52.5283, 0.2795,  
0.2455

24.0906, 0.2340,  
0.1520

66.0993, 0.2922,  
0.2756

18.2934, 0.2180,  
0.1247

81.8952, 0.3032,  
0.3035

14.0945, 0.2028,  
0.1022

100.0000, 0.3127,  
0.3290

11.3107, 0.1894,  
0.0859

■ 9.6474, 0.1782,  
0.0756

■ 9.6465, 0.1782,  
0.0756

# Harmonies

## Analogous

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



41.0788, 0.2061, 0.2051



41.0788, 0.2654, 0.2141



41.0788, 0.3474, 0.2457

# Triad

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



41.0788, 0.2654, 0.2141



41.0788, 0.4667, 0.4122



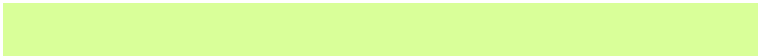
41.0788, 0.2045, 0.3537

# Complementary

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



41.0788, 0.2654, 0.2141



88.5805, 0.3468, 0.4379

# 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.



41.0788, 0.2649, 0.4406



41.0788, 0.2654, 0.2141



41.0788, 0.4166, 0.4639

# Square

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



41.0788, 0.2654, 0.2141



41.0788, 0.4738, 0.3521



41.0788, 0.3427, 0.4825



41.0788, 0.1746, 0.2721



# Rectangle

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



41.0788, 0.2654, 0.2141



41.0788, 0.4036, 0.2766



41.0788, 0.3427, 0.4825



41.0788, 0.2216, 0.3845

# Sweetspot

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



41.0793, 0.2654, 0.2141



78.5428, 0.3011, 0.2981



63.9326, 0.2506, 0.2853



16.3549, 0.2997, 0.2945



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.



41.0793, 0.2654, 0.2141



33.3676, 0.2532, 0.1887



48.7794, 0.3060, 0.2267



17.7069, 0.3037, 0.3048



5.1183, 0.1799, 0.0765



0.5581, 0.1923, 0.0833



# Inverse Universe

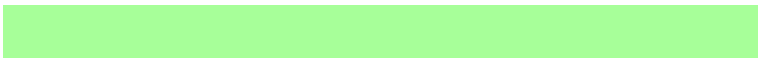
The Inverse Universe completely reimagines the original color for something new.



49.0604, 0.3505, 0.2638



42.5519, 0.3611, 0.2513



81.9940, 0.3147, 0.4498



18.1790, 0.3195, 0.3142



12.4671, 0.4431, 0.2214

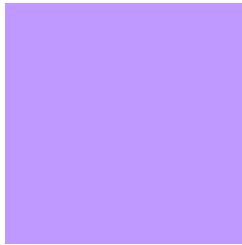


1.2350, 0.4253, 0.2117



# Previews

## White Background



This preview shows how the Yxy color 41.0788, 0.2654, 0.2141 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

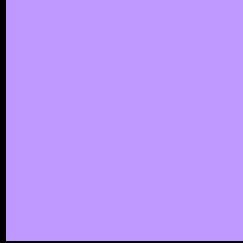
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.0788, 0.2654, 0.2141 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

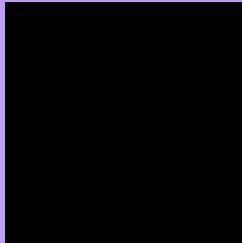
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.0788, 0.2654, 0.2141**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.0788, 0.2654, 0.2141.



This preview shows how white text looks on a background with the Yxy color 41.0788, 0.2654, 0.2141.

# 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

41.0788, 0.2654, 0.2141

### Protanopia

41.3467, 0.2345, 0.2234

### Deuteranopia

41.4941, 0.2346, 0.2293



## Tritanopia

41.2183, 0.3099, 0.3116

# Trichromacy



## Original Color

41.0788, 0.2654, 0.2141



## Protanomaly

40.8880, 0.2446, 0.2191



## Deuteranomaly

40.7473, 0.2444, 0.2225



## Tritanomaly

40.8651, 0.2925, 0.2708

# Monochromacy



## Original Color

41.0788, 0.2654, 0.2141



## Achromatopsia

43.4154, 0.3127, 0.3290



## Achromatomaly

42.2368, 0.2940, 0.2818

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.0788, 0.2654, 0.2141 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(191, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(191, 153, 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(191, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 153, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 41.0788, 0.2654, 0.2141 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(191, 153, 255) }
```

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

```
.border{ border-color:rgb(191, 153, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(191, 153,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.0788, 0.2654, 0.2141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 153, 255) }
```

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

```
.background{ background-color: rgb(191,  
153, 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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