

Converting Colors

$Y_{xy}(41.7442, 0.2646, 0.2166)$

Have a look what the booklet for
Yxy(41.7442, 0.2646, 0.2166)
contains.

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Color

Yxy(41.9441, 0.2650, 0.2172)

Conversions

Conversions Part 1

Format	Color
Hex	BE9CFF
RGB	190, 156, 255
RGB Percent	75%, 61%, 100%
CMY	0.2548, 0.3882, 0.0001
CMYK	0.25, 0.39, 0.00, 0.00
HSL	261°, 100%, 81%
HSV	261°, 39%, 100%
XYZ	51.1749, 41.9441, 99.9938
YIQ	177.4520, -11.5150, 37.9970

Conversions

Conversions Part 2

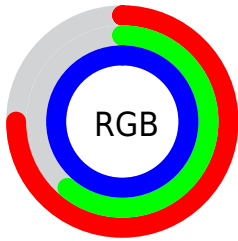
Format	Color
RYB	190, 156, 255
Decimal	12492031
CIELab	70.83, 32.49, -44.69
CIElCh	71, 55.251, 306.014
Yxy	41.9441, 0.2650, 0.2172
Android (android.graphics.Color)	4290682111 (0xFFBE9CFF)
YUV	177.4520, 38.2312, 11.0046
Hunter-Lab	64.7643, 27.7082, -46.2067

Details

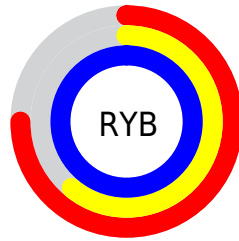
The Yxy color **41.9441, 0.2650, 0.2172** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **89.2780, 0.3478, 0.4339**, and the grayscale version is **44.0179, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.7650, 0.3098, 0.2854**, and **19.0462, 0.2502, 0.1908** is the 20% darker color. If you saturate the color by 10%, you get **32.2348, 0.2492, 0.1851**, and if you desaturate by 10%, it is **53.7001, 0.2796, 0.2488**.

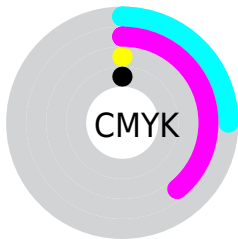
Distribution



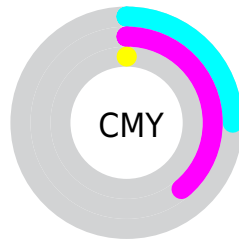
- Red (75%)
- Green (61%)
- Blue (100%)



- Red (75%)
- Yellow (61%)
- Blue (100%)



- Cyan (25%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)




- Cyan (25%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9441, 0.2650, 0.2172 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 41.9441, 0.2650, 0.2172 by changing the saturation by 10% instead.


 41.9441, 0.2650,
0.2172


 41.9441, 0.2650,
0.2172


354.2512, 0.2897,
0.2689

 29.0575, 0.2588,
0.2056


 78.1150, 0.2740,
0.2350

 19.1243, 0.2509,
0.1916

 102.1681, 0.2774,
0.2420

 11.7602, 0.2405,
0.1741


130.7122, 0.2803,
0.2480

 6.5806, 0.2264,
0.1522

164.1317, 0.2827,
0.2533

 3.2012, 0.2065,
0.1243

202.8109, 0.2848,
0.2579

 1.2377, 0.1772,
0.0887

247.1343, 0.2867,

 0.0921, 0.1372,

0.2620

0.0143

297.4863, 0.2883,
0.2656

0.0000, 0.0000,
0.0000

41.9441, 0.2650,
0.2172

41.9441, 0.2650,
0.2172

32.2348, 0.2492,
0.1851

53.7001, 0.2796,
0.2488

24.4457, 0.2326,
0.1540

67.6093, 0.2926,
0.2788

18.4435, 0.2160,
0.1258

83.7765, 0.3040,
0.3066

14.0748, 0.2004,
0.1024

99.9991, 0.3127,
0.3290

11.1592, 0.1866,
0.0851

■ 9.4385, 0.1753,
0.0744

■ 9.2760, 0.1742,
0.0733

Harmonies

Analogous

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



41.9441, 0.2084, 0.2093



41.9441, 0.2650, 0.2172



41.9441, 0.3434, 0.2472

Triad

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



41.9441, 0.2650, 0.2172



41.9441, 0.4622, 0.4083



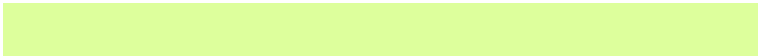
41.9441, 0.2100, 0.3558

Complementary

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



41.9441, 0.2650, 0.2172



89.2780, 0.3478, 0.4339

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.



41.9441, 0.2694, 0.4378



41.9441, 0.2650, 0.2172



41.9441, 0.4155, 0.4580

Square

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



41.9441, 0.2650, 0.2172



41.9441, 0.4668, 0.3502



41.9441, 0.3447, 0.4763



41.9441, 0.1797, 0.2769

Rectangle

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



41.9441, 0.2650, 0.2172



41.9441, 0.3976, 0.2770



41.9441, 0.3447, 0.4763



41.9441, 0.2270, 0.3851

Sweetspot

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



41.9457, 0.2650, 0.2172



78.3946, 0.3005, 0.2981



66.5245, 0.2530, 0.2908



16.3201, 0.2991, 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.



41.9457, 0.2650, 0.2172



33.8597, 0.2521, 0.1909



49.2578, 0.3036, 0.2288



17.6812, 0.3033, 0.3048



4.9215, 0.1757, 0.0742



0.5369, 0.1880, 0.0809

Inverse Universe

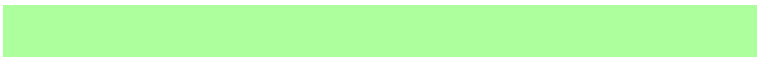
The Inverse Universe completely reimagines the original color for something new.



50.2528, 0.3464, 0.2631



43.4751, 0.3563, 0.2497



82.7383, 0.3167, 0.4450



18.1881, 0.3191, 0.3135



12.6028, 0.4317, 0.2152



1.2476, 0.4158, 0.2064

Previews

White Background



This preview shows how the Yxy color 41.9441, 0.2650, 0.2172 looks on a white background.

Color Contrast Check

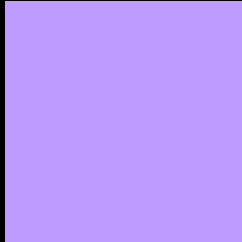
Large Text (above 18pt) WCAG AA × Fail

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 41.9441, 0.2650, 0.2172 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 41.9441, 0.2650, 0.2172

Background



This preview shows how black text looks on a background with the Yxy color 41.9441, 0.2650, 0.2172.



This preview shows how white text looks on a background with the Yxy color 41.9441, 0.2650, 0.2172.

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

41.9441, 0.2650, 0.2172

Protanopia

42.3656, 0.2367, 0.2264

Deuteranopia

42.2841, 0.2366, 0.2301



Tritanopia

41.9336, 0.3073, 0.3117

Trichromacy



Original Color

41.9441, 0.2650, 0.2172

Protanomaly

42.0695, 0.2458, 0.2229

Deuteranomaly

41.7352, 0.2455, 0.2244

Tritanomaly

41.8707, 0.2910, 0.2734

Monochromacy



Original Color

41.9441, 0.2650, 0.2172

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

42.7288, 0.2949, 0.2832

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9441, 0.2650, 0.2172 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(190, 156, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 156, 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(190, 156, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 156, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.9441, 0.2650, 0.2172 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(190, 156, 255) }
```

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

```
.border{ border-color:rgb(190, 156, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 156, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 156, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 156, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 156,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9441, 0.2650, 0.2172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 156, 255) }
```

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

```
.background{ background-color: rgb(190,  
156, 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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