

Converting Colors

$Y_{xy}(42.5022, 0.2604, 0.2203)$

Have a look what the booklet for
Yxy(42.5022, 0.2604, 0.2203)
contains.

Yxy(42.4289, 0.2602, 0.2201)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(42.4289, 0.2602, 0.2201)

Conversions

Conversions Part 1

Format	Color
Hex	B7A0FF
RGB	183, 160, 255
RGB Percent	72%, 63%, 100%
CMY	0.2822, 0.3726, 0.0000
CMYK	0.28, 0.37, 0.00, 0.00
HSL	255°, 100%, 81%
HSV	255°, 37%, 100%
XYZ	50.1590, 42.4289, 100.1831
YIQ	177.7070, -16.7870, 34.4210

Conversions

Conversions Part 2

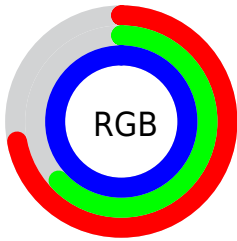
Format	Color
R _Y B	183, 160, 255
Decimal	12034303
CIE _{Lab}	71.17, 28.34, -44.24
CIE _{LCh}	71, 52.539, 302.645
Y _{xy}	42.4289, 0.2602, 0.2201
Android (android.graphics.Color)	4290224383 (0xFFB7A0FF)
Y _{UV}	177.7070, 38.1054, 4.6420
Hunter-Lab	65.1375, 23.4631, -45.5933

Details

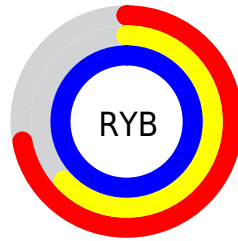
The Yxy color **42.4289, 0.2602, 0.2201** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **91.2056, 0.3531, 0.4273**, and the grayscale version is **44.1604, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5216, 0.3048, 0.2888**, and **19.3915, 0.2452, 0.1944** is the 20% darker color. If you saturate the color by 10%, you get **32.2676, 0.2425, 0.1867**, and if you desaturate by 10%, it is **54.7269, 0.2767, 0.2526**.

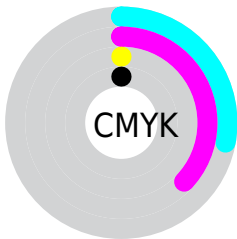
Distribution



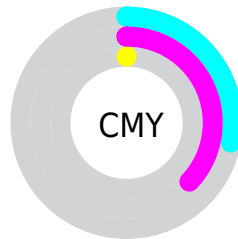
- Red (72%)
- Green (63%)
- Blue (100%)



- Red (72%)
- Yellow (63%)
- Blue (100%)



- Cyan (28%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)





- Cyan (28%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.4289, 0.2602, 0.2201 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 42.4289, 0.2602, 0.2201 by changing the saturation by 10% instead.


 42.4289, 0.2602,
0.2201

 42.4289, 0.2602,
0.2201


356.2578, 0.2870,
0.2707

 29.4373, 0.2535,
0.2087


 78.8483, 0.2700,
0.2376

 19.4119, 0.2451,
0.1949


 103.0449, 0.2736,
0.2444

 11.9683, 0.2341,
0.1776


131.7453, 0.2767,
0.2503

 6.7221, 0.2192,
0.1559

165.3339, 0.2794,
0.2554

 3.2889, 0.1984,
0.1281

204.1950, 0.2817,
0.2599

 1.2844, 0.1682,
0.0924

248.7131, 0.2837,

 0.1290, 0.1268,

0.2639

0.0201

299.2726, 0.2855,
0.2675

0.0000, 0.0000,
0.0000

42.4289, 0.2602,
0.2201

42.4289, 0.2602,
0.2201

32.2676, 0.2425,
0.1867

54.7269, 0.2767,
0.2526

24.1201, 0.2240,
0.1540

69.2781, 0.2914,
0.2829

17.8479, 0.2059,
0.1240

86.1881, 0.3044,
0.3107

13.2951, 0.1893,
0.0988

100.0000, 0.3127,
0.3290

10.2798, 0.1753,
0.0802

■ 8.5701, 0.1647,
0.0690

■ 8.2394, 0.1623,
0.0668

Harmonies

Analogous

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



42.4289, 0.2087, 0.2154



42.4289, 0.2602, 0.2201



42.4289, 0.3332, 0.2467

Triad

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



42.4289, 0.2602, 0.2201



42.4289, 0.4578, 0.3996



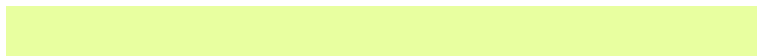
42.4289, 0.2203, 0.3640

Complementary

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



42.4289, 0.2602, 0.2201



91.2056, 0.3531, 0.4273

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.



42.4289, 0.2797, 0.4381



42.4289, 0.2602, 0.2201



42.4289, 0.4176, 0.4480

Square

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



42.4289, 0.2602, 0.2201



42.4289, 0.4563, 0.3438



42.4289, 0.3521, 0.4687



42.4289, 0.1875, 0.2873

Rectangle

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



42.4289, 0.2602, 0.2201



42.4289, 0.3850, 0.2744



42.4289, 0.3521, 0.4687



42.4289, 0.2376, 0.3912

Sweetspot

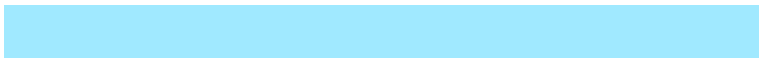
The Sweet Spot groups the original color and five complimentary colors.



42.4282, 0.2602, 0.2201



79.5816, 0.2998, 0.3006



72.8739, 0.2569, 0.3037



16.5390, 0.2980, 0.2969



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.



42.4282, 0.2602, 0.2201



34.3834, 0.2466, 0.1943



49.1242, 0.2964, 0.2306



17.5904, 0.3017, 0.3047



4.3626, 0.1636, 0.0675



0.4728, 0.1743, 0.0734

Inverse Universe

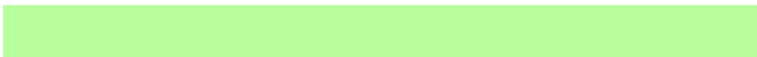
The Inverse Universe completely reimagines the original color for something new.



52.2204, 0.3362, 0.2568



45.6445, 0.3426, 0.2423



84.4121, 0.3224, 0.4377



18.2206, 0.3175, 0.3112



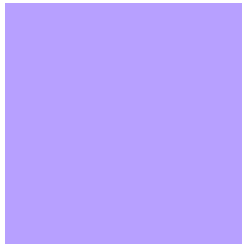
13.1488, 0.3938, 0.1943



1.2974, 0.3837, 0.1887

Previews

White Background



This preview shows how the Yxy color 42.4289, 0.2602, 0.2201 looks on a white background.

Color Contrast Check

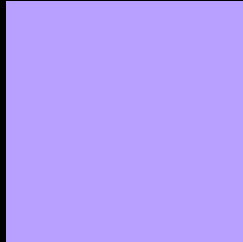
Large Text (above 18pt) WCAG AA × Fail

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 42.4289, 0.2602, 0.2201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

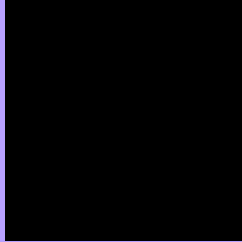
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.4289, 0.2602, 0.2201

Background



This preview shows how black text looks on a background with the Yxy color 42.4289, 0.2602, 0.2201.



This preview shows how white text looks on a background with the Yxy color 42.4289, 0.2602, 0.2201.

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

42.4289, 0.2602, 0.2201

Protanopia

42.8360, 0.2375, 0.2278

Deuteranopia

42.7551, 0.2375, 0.2316



Tritanopia

42.4490, 0.2980, 0.3102

Trichromacy



Original Color

42.4289, 0.2602, 0.2201

Protanomaly

42.5962, 0.2448, 0.2250

Deuteranomaly

42.3662, 0.2452, 0.2267

Tritanomaly

42.2434, 0.2839, 0.2741

Monochromacy



Original Color

42.4289, 0.2602, 0.2201

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

43.2853, 0.2925, 0.2844

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4289, 0.2602, 0.2201 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(183, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 160, 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(183, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 160, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.4289, 0.2602, 0.2201 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(183, 160, 255) }
```

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

```
.border{ border-color:rgb(183, 160, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 160, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 160, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 160, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 160,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4289, 0.2602, 0.2201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 160, 255) }
```

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

```
.background{ background-color: rgb(183,  
160, 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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