

Converting Colors

$Y_{xy}(42.7286, 0.2607, 0.2210)$

Have a look what the booklet for
Yxy(42.7286, 0.2607, 0.2210)
contains.

Yxy(42.9001, 0.2611, 0.2215)	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(42.9001, 0.2611, 0.2215)

Conversions

Conversions Part 1

Format	Color
Hex	B8A1FF
RGB	184, 161, 255
RGB Percent	72%, 63%, 100%
CMY	0.2782, 0.3687, 0.0001
CMYK	0.28, 0.37, 0.00, 0.00
HSL	255°, 100%, 82%
HSV	255°, 37%, 100%
XYZ	50.5698, 42.9001, 100.2100
YIQ	178.5930, -16.4660, 34.1100

Conversions

Conversions Part 2

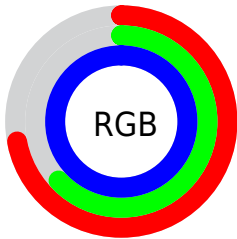
Format	Color
RYB	184, 161, 255
Decimal	12100095
CIELab	71.49, 28.06, -43.70
CIELCh	71, 51.932, 302.699
Yxy	42.9001, 0.2611, 0.2215
Android (android.graphics.Color)	4290290175 (0xFFB8A1FF)
YUV	178.5930, 37.6687, 4.7419
Hunter-Lab	65.4982, 23.1945, -44.8630

Details

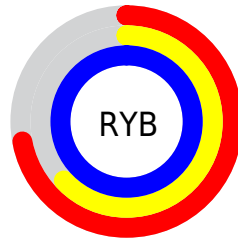
The Yxy color **42.9001, 0.2611, 0.2215** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **91.2250, 0.3525, 0.4263**, and the grayscale version is **44.6583, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.2090, 0.3054, 0.2900**, and **19.6816, 0.2464, 0.1962** is the 20% darker color. If you saturate the color by 10%, you get **32.6634, 0.2434, 0.1882**, and if you desaturate by 10%, it is **55.2802, 0.2774, 0.2538**.

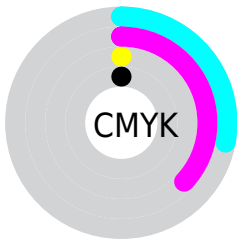
Distribution



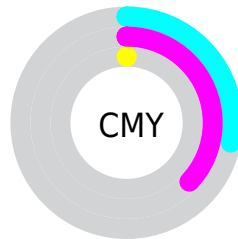
- Red (72%)
- Green (63%)
- Blue (100%)



- 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 42.9001, 0.2611, 0.2215 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 42.9001, 0.2611, 0.2215 by changing the saturation by 10% instead.


 42.9001, 0.2611,
0.2215


 42.9001, 0.2611,
0.2215


358.2008, 0.2874,
0.2714

 29.8067, 0.2546,
0.2103


 79.5601, 0.2707,
0.2387

 19.6919, 0.2463,
0.1966

 103.8955, 0.2743,
0.2455

 12.1713, 0.2355,
0.1796


132.7471, 0.2773,
0.2513

 6.8605, 0.2209,
0.1581

166.4991, 0.2799,
0.2564

 3.3750, 0.2005,
0.1305

205.5362, 0.2822,
0.2608

 1.3305, 0.1708,
0.0950

250.2425, 0.2842,

 0.1646, 0.1297,

0.2648

0.0254

301.0026, 0.2859,
0.2683

0.0000, 0.0000,
0.0000

42.9001, 0.2611,
0.2215

42.9001, 0.2611,
0.2215

32.6634, 0.2434,
0.1882

55.2802, 0.2774,
0.2538

24.4411, 0.2251,
0.1554

69.9128, 0.2921,
0.2841

18.0976, 0.2070,
0.1252

86.9053, 0.3049,
0.3117

13.4781, 0.1903,
0.0998

99.9991, 0.3127,
0.3290

10.4022, 0.1761,
0.0810

■ 8.6439, 0.1653,
0.0695

■ 8.2622, 0.1626,
0.0669

Harmonies

Analogous

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



42.9001, 0.2101, 0.2168



42.9001, 0.2611, 0.2215



42.9001, 0.3331, 0.2479

Triad

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



42.9001, 0.2611, 0.2215



42.9001, 0.4557, 0.3990



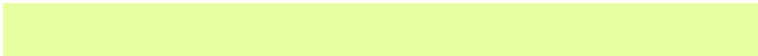
42.9001, 0.2215, 0.3633

Complementary

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



42.9001, 0.2611, 0.2215



91.2250, 0.3525, 0.4263

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.



42.9001, 0.2802, 0.4362



42.9001, 0.2611, 0.2215



42.9001, 0.4162, 0.4465

Square

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



42.9001, 0.2611, 0.2215



42.9001, 0.4542, 0.3439



42.9001, 0.3516, 0.4664



42.9001, 0.1891, 0.2879

Rectangle

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



42.9001, 0.2611, 0.2215



42.9001, 0.3841, 0.2752



42.9001, 0.3516, 0.4664



42.9001, 0.2386, 0.3900

Sweetspot

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



42.9018, 0.2611, 0.2215



79.5953, 0.2998, 0.3006



73.1023, 0.2574, 0.3040



16.5423, 0.2981, 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.



42.9018, 0.2611, 0.2215



35.3888, 0.2486, 0.1977



49.5139, 0.2966, 0.2317



17.5930, 0.3017, 0.3047



4.3755, 0.1639, 0.0676



0.4744, 0.1747, 0.0736

Inverse Universe

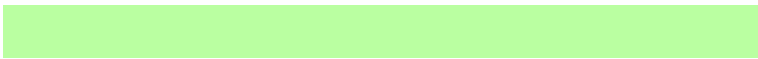
The Inverse Universe completely reimagines the original color for something new.



52.5637, 0.3361, 0.2578



46.4165, 0.3420, 0.2444



84.5293, 0.3224, 0.4364



18.2197, 0.3176, 0.3112



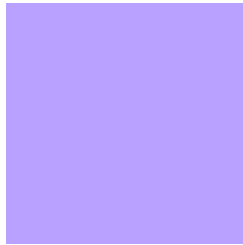
13.1319, 0.3949, 0.1949



1.2959, 0.3846, 0.1892

Previews

White Background



This preview shows how the Yxy color 42.9001, 0.2611, 0.2215 looks on a white background.

Color Contrast Check

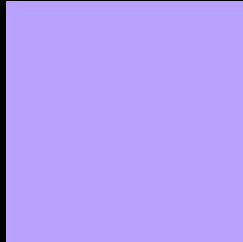
Large Text (above 18pt) WCAG AA × Fail

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 42.9001, 0.2611, 0.2215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

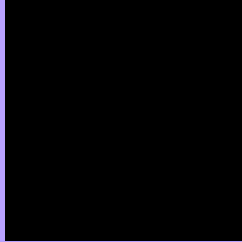
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.9001, 0.2611, 0.2215

Background



This preview shows how black text looks on a background with the Yxy color 42.9001, 0.2611, 0.2215.



This preview shows how white text looks on a background with the Yxy color 42.9001, 0.2611, 0.2215.

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

42.9001, 0.2611, 0.2215

Protanopia

42.9281, 0.2381, 0.2280

Deuteranopia

43.3201, 0.2389, 0.2331



Tritanopia

42.9920, 0.2981, 0.3103

Trichromacy



Original Color

42.9001, 0.2611, 0.2215

Protanomaly

42.6988, 0.2455, 0.2252

Deuteranomaly

42.8387, 0.2461, 0.2281

Tritanomaly

42.7837, 0.2840, 0.2743

Monochromacy



Original Color

42.9001, 0.2611, 0.2215

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

43.8338, 0.2926, 0.2846

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9001, 0.2611, 0.2215 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(184, 161, 255)` looks like.

```
.text, #text, p{  
    color:rgb(184, 161, 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(184, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 161, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.9001, 0.2611, 0.2215 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(184, 161, 255) }
```

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

```
.border{ border-color:rgb(184, 161, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 161, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(184, 161, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(184, 161, 255); box-shadow:4px 4px 4px 4px rgb(184, 161, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9001, 0.2611, 0.2215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 161, 255) }
```

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

```
.background{ background-color: rgb(184,  
161, 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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