

Converting Colors

$Y_{xy}(42.0745, 0.2797, 0.2528)$

Have a look what the booklet for
Yxy(42.0745, 0.2797, 0.2528)
contains.

Yxy(42.1092, 0.2799, 0.2533)	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(42.1092, 0.2799, 0.2533)

Conversions

Conversions Part 1

Format	Color
Hex	B7A4E2
RGB	183, 164, 226
RGB Percent	72%, 64%, 89%
CMY	0.2823, 0.3569, 0.1139
CMYK	0.19, 0.27, 0.00, 0.11
HSL	258°, 52%, 76%
HSV	258°, 27%, 89%
XYZ	46.5312, 42.1092, 77.6020
YIQ	176.7490, -8.5780, 23.3100

Conversions

Conversions Part 2

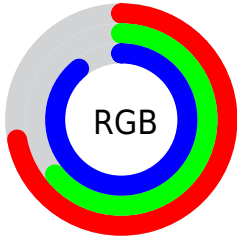
Format	Color
R _Y B	183, 164, 226
Decimal	12035298
CIE Lab	70.95, 19.30, -28.74
CIE LCh	71, 34.621, 303.882
Yxy	42.1092, 0.2799, 0.2533
Android (android.graphics.Color)	4290225378 (0xFFB7A4E2)
YUV	176.7490, 24.2807, 5.4821
Hunter-Lab	64.8916, 14.4351, -25.4790

Details

The Yxy color $42.1092, 0.2799, 0.2533$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $70.3122, 0.3397, 0.4007$, and the grayscale version is $43.7035, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.4083, 0.3040, 0.2929$, and $19.1577, 0.2701, 0.2341$ is the 20% darker color. If you saturate the color by 10%, you get $32.9138, 0.2649, 0.2217$, and if you desaturate by 10%, it is $52.9586, 0.2933, 0.2831$.

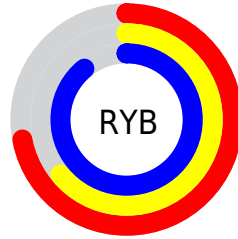
Distribution



Red (72%)

Green (64%)

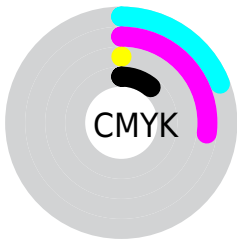
Blue (89%)



Red (72%)

Yellow (64%)

Blue (89%)

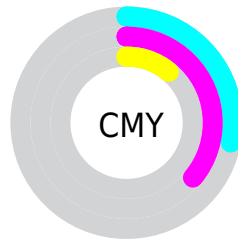


Cyan (19%)

Magenta (27%)

Yellow (0%)

Black (11%)



Cyan (28%)


Magenta (36%)


Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.1092, 0.2799, 0.2533 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 42.1092, 0.2799, 0.2533 by changing the saturation by 10% instead.


 42.1092, 0.2799,
0.2533


 42.1092, 0.2799,
0.2533


354.9354, 0.2969,
0.2898

 29.1868, 0.2756,
0.2447


 78.3649, 0.2862,
0.2662

 19.2222, 0.2699,
0.2339


 102.4669, 0.2885,
0.2712

 11.8309, 0.2624,
0.2200


131.0643, 0.2904,
0.2754

 6.6287, 0.2519,
0.2017

164.5415, 0.2921,
0.2790

 3.2310, 0.2364,
0.1764

203.2828, 0.2935,
0.2822

 1.2535, 0.2116,
0.1403

247.6726, 0.2948,

 0.1047, 0.1716,

0.2851

0.0315

298.0953, 0.2959,
0.2875

0.0000, 0.0000,
0.0000

42.1092, 0.2799,
0.2533

42.1092, 0.2799,
0.2533

32.9138, 0.2649,
0.2217

52.9586, 0.2933,
0.2831

25.2841, 0.2486,
0.1893

65.5338, 0.3051,
0.3104

19.1315, 0.2314,
0.1576

79.9089, 0.3152,
0.3351

14.3560, 0.2143,
0.1285

96.1517, 0.3238,
0.3571

10.8449, 0.1981,
0.1038

98.2691, 0.3298,
0.3572

■ 8.4668, 0.1840,
0.0852

■ 7.0478, 0.1725,
0.0734

■ 6.7677, 0.1699,
0.0710

Harmonies

Analogous

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



42.1092, 0.2423, 0.2502



42.1092, 0.2799, 0.2533



42.1092, 0.3296, 0.2730

Triad

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



42.1092, 0.2799, 0.2533



42.1092, 0.4099, 0.3826



42.1092, 0.2494, 0.3506

Complementary

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



42.1092, 0.2799, 0.2533



70.3122, 0.3397, 0.4007

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.



42.1092, 0.2906, 0.3965



42.1092, 0.2799, 0.2533



42.1092, 0.3840, 0.4117

Square

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



42.1092, 0.2799, 0.2533



42.1092, 0.4082, 0.3441



42.1092, 0.3399, 0.4191



42.1092, 0.2257, 0.3017

Rectangle

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



42.1092, 0.2799, 0.2533



42.1092, 0.3630, 0.2934



42.1092, 0.3399, 0.4191



42.1092, 0.2615, 0.3673

Sweetspot

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



42.1109, 0.2799, 0.2533



85.0844, 0.3044, 0.3088



58.1904, 0.2706, 0.3061



17.6481, 0.3027, 0.3048



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.



42.1109, 0.2799, 0.2533



48.1166, 0.2714, 0.2352



46.2728, 0.3053, 0.2587



13.4463, 0.3028, 0.3051



3.9172, 0.1714, 0.0718



0.3176, 0.1881, 0.0810

Inverse Universe

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



47.2172, 0.3321, 0.2806



55.9957, 0.3374, 0.2701



66.3310, 0.3175, 0.4059



13.8602, 0.3184, 0.3129



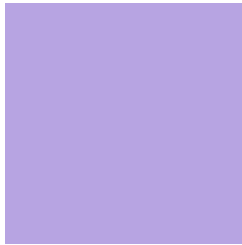
10.6279, 0.4168, 0.2070



0.7524, 0.3985, 0.1969

Previews

White Background



This preview shows how the Yxy color 42.1092, 0.2799, 0.2533 looks on a white background.

Color Contrast Check

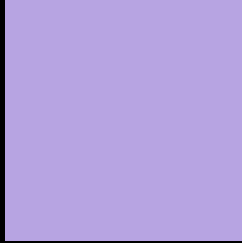
Large Text (above 18pt) WCAG AA × Fail

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 42.1092, 0.2799, 0.2533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

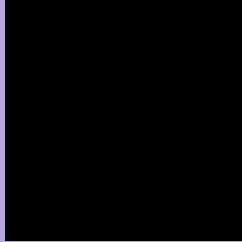
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.1092, 0.2799, 0.2533

Background



This preview shows how black text looks on a background with the Yxy color 42.1092, 0.2799, 0.2533.



This preview shows how white text looks on a background with the Yxy color 42.1092, 0.2799, 0.2533.

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

42.1092, 0.2799, 0.2533

Protanopia

42.4993, 0.2573, 0.2530

Deuteranopia

42.3486, 0.2658, 0.2602



Tritanopia

42.2379, 0.3056, 0.3117

Trichromacy



Original Color

42.1092, 0.2799, 0.2533

Protanomaly

42.1961, 0.2645, 0.2526

Deuteranomaly

41.9876, 0.2707, 0.2573

Tritanomaly

42.1298, 0.2963, 0.2889

Monochromacy



Original Color

42.1092, 0.2799, 0.2533

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

43.0289, 0.3002, 0.2991

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1092, 0.2799, 0.2533 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, 164, 226)` looks like.

```
.text, #text, p{  
    color:rgb(183, 164, 226)  
}
```

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, 164, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 164, 226) }
```

Border

The CSS property to change the border of an element to Yxy 42.1092, 0.2799, 0.2533 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, 164, 226) }
```

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

```
.border{ border-color:rgb(183, 164, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 164, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 164, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 164, 226);  
box-shadow:4px 4px 4px 4px rgb(183, 164,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1092, 0.2799, 0.2533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 164, 226) }
```

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

```
.background{ background-color: rgb(183,  
164, 226) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor