

Converting Colors

$Y_{xy}(46.7723, 0.3035, 0.2522)$

Have a look what the booklet for
Yxy(46.7723, 0.3035, 0.2522)
contains.

Yxy(46.7723, 0.3035, 0.2522)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.7723, 0.3035, 0.2522)

Conversions

Conversions Part 1

Format	Color
Hex	D9A3E8
RGB	217, 163, 232
RGB Percent	85%, 64%, 91%
CMY	0.1488, 0.3608, 0.0902
CMYK	0.06, 0.30, 0.00, 0.09
HSL	287°, 60%, 77%
HSV	287°, 30%, 91%
XYZ	56.2863, 46.7723, 82.3986
YIQ	187.0120, 10.0350, 32.9070

Conversions

Conversions Part 2

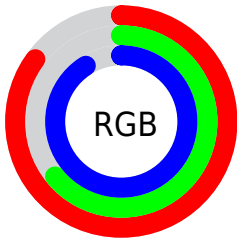
Format	Color
R _Y B	217, 163, 232
Decimal	14263272
CIE Lab	74.04, 31.76, -27.01
CIE LCh	74, 41.691, 319.622
Yxy	46.7723, 0.3035, 0.2522
Android (android.graphics.Color)	4292453352 (0xFFD9A3E8)
YUV	187.0120, 22.1791, 26.2995
Hunter-Lab	68.3903, 27.2253, -23.5611

Details

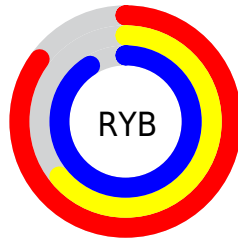
The Yxy color **46.7723, 0.3035, 0.2522** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **69.8100, 0.3186, 0.4133**, and the grayscale version is **49.5719, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6228, 0.3144, 0.2930**, and **22.0805, 0.2997, 0.2345** is the 20% darker color. If you saturate the color by 10%, you get **38.5200, 0.2992, 0.2257**, and if you desaturate by 10%, it is **56.5630, 0.3072, 0.2789**.

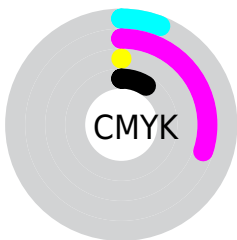
Distribution



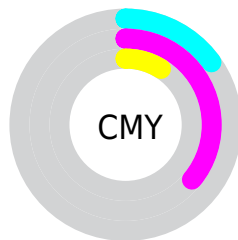
- Red (85%)
- Green (64%)
- Blue (91%)



- Red (85%)
- Yellow (64%)
- Blue (91%)



- Cyan (6%)
- Magenta (30%)
- Yellow (0%)
- Black (9%)




- Cyan (15%)
- Magenta (36%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7723, 0.3035, 0.2522 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 46.7723, 0.3035, 0.2522 by changing the saturation by 10% instead.


 46.7723, 0.3035,
0.2522

 46.7723, 0.3035,
0.2522


373.9049, 0.3089,
0.2881

 32.8557, 0.3020,
0.2439


 85.3736, 0.3056,
0.2647

 22.0159, 0.2999,
0.2338


 110.8272, 0.3064,
0.2696

 13.8686, 0.2971,
0.2209


140.8951, 0.3070,
0.2738

 8.0293, 0.2929,
0.2041

175.9618, 0.3075,
0.2774

 4.1137, 0.2864,
0.1815

216.4118, 0.3079,
0.2806

 1.7374, 0.2752,
0.1499

262.6294, 0.3083,

 0.4477, 0.2571,

0.2834

0.0918

314.9989, 0.3086,
0.2859

0.0000, 0.1114,
0.0000

0.0000, 0.0000,
0.0000

46.7723, 0.3035,
0.2522

46.7723, 0.3035,
0.2522

38.5200, 0.2992,
0.2257

56.5630, 0.3072,
0.2789

31.7173, 0.2944,
0.2003

67.9628, 0.3103,
0.3048

26.2752, 0.2890,
0.1772

81.0452, 0.3128,
0.3296

22.0925, 0.2834,
0.1574

95.3754, 0.3148,
0.3520

■ 19.0537, 0.2775,
0.1418

■ 96.2534, 0.3180,
0.3518

■ 17.0215, 0.2717,
0.1308

■ 97.1558, 0.3212,
0.3516

■ 15.7673, 0.2660,
0.1240

■ 98.0828, 0.3244,
0.3514

■ 15.7388, 0.2658,
0.1238

■ 98.6057, 0.3262,
0.3513

Harmonies

Analogous

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



46.7723, 0.2518, 0.2382



46.7723, 0.3035, 0.2522



46.7723, 0.3630, 0.2825

Triad

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



46.7723, 0.3035, 0.2522



46.7723, 0.4125, 0.4097



46.7723, 0.2226, 0.3225

Complementary

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



46.7723, 0.3035, 0.2522



69.8100, 0.3186, 0.4133

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.



46.7723, 0.2597, 0.3819



46.7723, 0.3035, 0.2522



46.7723, 0.3693, 0.4338

Square

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



46.7723, 0.3035, 0.2522



46.7723, 0.4290, 0.3689



46.7723, 0.3131, 0.4256



46.7723, 0.2087, 0.2726

Rectangle

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



46.7723, 0.3035, 0.2522



46.7723, 0.3975, 0.3092



46.7723, 0.3131, 0.4256



46.7723, 0.2325, 0.3423

Sweetspot

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



46.7743, 0.3035, 0.2522



85.2906, 0.3104, 0.3066



45.4274, 0.2624, 0.2615



17.7815, 0.3100, 0.3029



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.



46.7743, 0.3035, 0.2522



51.1670, 0.3008, 0.2351



48.1203, 0.3328, 0.2746



14.4495, 0.3103, 0.3056



8.7954, 0.2667, 0.1243



0.6892, 0.2750, 0.1289

Inverse Universe

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



46.5564, 0.3647, 0.3121



50.9480, 0.3808, 0.3083



68.8937, 0.2973, 0.3905



14.4188, 0.3258, 0.3239



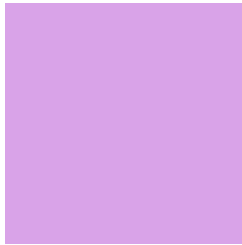
9.6685, 0.6024, 0.3092



0.7281, 0.5620, 0.2869

Previews

White Background



This preview shows how the Yxy color 46.7723, 0.3035, 0.2522 looks on a white background.

Color Contrast Check

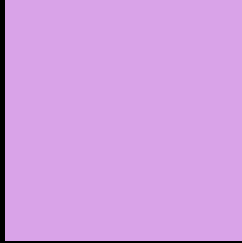
Large Text (above 18pt) WCAG AA × Fail

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 46.7723, 0.3035, 0.2522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

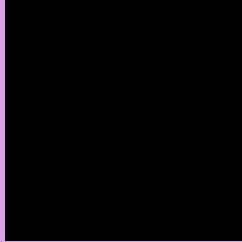
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7723, 0.3035, 0.2522

Background



This preview shows how black text looks on a background with the Yxy color 46.7723, 0.3035, 0.2522.



This preview shows how white text looks on a background with the Yxy color 46.7723, 0.3035, 0.2522.

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

46.7723, 0.3035, 0.2522

Protanopia

47.1276, 0.2557, 0.2504

Deuteranopia

47.1274, 0.2737, 0.2678



Tritanopia

46.7095, 0.3360, 0.3133

Trichromacy



Original Color

46.7723, 0.3035, 0.2522

Protanomaly

46.6307, 0.2712, 0.2510

Deuteranomaly

46.6767, 0.2840, 0.2614

Tritanomaly

46.7863, 0.3243, 0.2902

Monochromacy



Original Color

46.7723, 0.3035, 0.2522

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

48.1584, 0.3099, 0.2985

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7723, 0.3035, 0.2522 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(217, 163, 232)` looks like.

```
.text, #text, p{  
    color:rgb(217, 163, 232)  
}
```

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(217, 163, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 163, 232) }
```

Border

The CSS property to change the border of an element to Yxy 46.7723, 0.3035, 0.2522 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(217, 163, 232) }
```

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

```
.border{ border-color:rgb(217, 163, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 163, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 163, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 163, 232);  
box-shadow:4px 4px 4px 4px rgb(217, 163,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7723, 0.3035, 0.2522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 163, 232) }
```

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

```
.background{ background-color: rgb(217,  
163, 232) }
```

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