

Converting Colors

$Y_{xy}(46.9520, 0.3154, 0.2571)$

Have a look what the booklet for
Yxy(46.9520, 0.3154, 0.2571)
contains.

Yxy(46.9883, 0.3152, 0.2575)	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(46.9883, 0.3152, 0.2575)

Conversions

Conversions Part 1

Format	Color
Hex	E1A1E2
RGB	225, 161, 226
RGB Percent	88%, 63%, 89%
CMY	0.1177, 0.3686, 0.1138
CMYK	0.00, 0.29, 0.00, 0.11
HSL	299°, 53%, 76%
HSV	299°, 29%, 89%
XYZ	57.5173, 46.9883, 77.9732
YIQ	187.5460, 17.2790, 33.7830

Conversions

Conversions Part 2

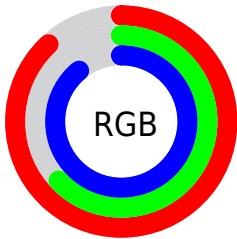
Format	Color
R _Y B	225, 161, 226
Decimal	14787042
CIE Lab	74.18, 34.20, -23.45
CIE LCh	74, 41.467, 325.568
Yxy	46.9883, 0.3152, 0.2575
Android (android.graphics.Color)	4292977122 (0xFFE1A1E2)
YUV	187.5460, 18.9578, 32.8472
Hunter-Lab	68.5480, 29.8169, -19.4586

Details

The Yxy color $46.9883, 0.3152, 0.2575$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $64.6370, 0.3095, 0.4122$, and the grayscale version is $49.9028, 0.3127, 0.3290$.

A 20% lighter version of the original color is $77.5917, 0.3145, 0.2910$, and $22.1004, 0.3145, 0.2391$ is the 20% darker color. If you saturate the color by 10%, you get $39.7367, 0.3160, 0.2333$, and if you desaturate by 10%, it is $55.6714, 0.3144, 0.2826$.

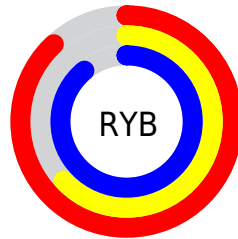
Distribution



Red (88%)

Green (63%)

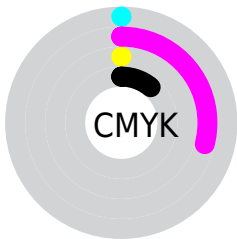
Blue (89%)



Red (88%)

Yellow (63%)

Blue (89%)

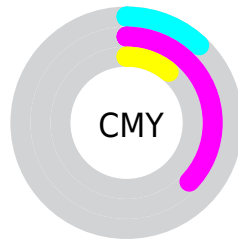


Cyan (0%)

Magenta (29%)

Yellow (0%)

Black (11%)



Cyan (12%)


Magenta (37%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9883, 0.3152, 0.2575 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 46.9883, 0.3152, 0.2575 by changing the saturation by 10% instead.

 46.9883, 0.3152,
0.2575


 46.9883, 0.3152,
0.2575

374.7678, 0.3148,
0.2910

 33.0264, 0.3151,
0.2498


 85.6962, 0.3152,
0.2692

 22.1467, 0.3148,
0.2402


 111.2109, 0.3152,
0.2737

 13.9647, 0.3143,
0.2281


141.3454, 0.3151,
0.2776

 8.0961, 0.3133,
0.2122

176.4840, 0.3151,
0.2810

 4.1565, 0.3113,
0.1907

217.0112, 0.3150,
0.2840

 1.7615, 0.3069,
0.1603

263.3113, 0.3149,

 0.4630, 0.3004,

0.2866

0.1028

315.7687, 0.3149,
0.2889

0.0000, 0.1919,
0.0000

0.0000, 0.0000,
0.0000

46.9883, 0.3152,
0.2575

46.9883, 0.3152,
0.2575

39.7367, 0.3160,
0.2333

55.6714, 0.3144,
0.2826

33.8336, 0.3166,
0.2109

65.8509, 0.3135,
0.3076

29.1967, 0.3171,
0.1913

77.5954, 0.3126,
0.3320

25.7326, 0.3173,
0.1753

90.9672, 0.3117,
0.3552

■ 23.3348, 0.3174,
0.1635

■ 93.2939, 0.3118,
0.3588

■ 21.8775, 0.3174,
0.1561

■ 93.3501, 0.3120,
0.3588

■ 21.1704, 0.3171,
0.1524

■ 93.4063, 0.3122,
0.3587

■ 21.1021, 0.3171,
0.1520

■ 93.4627, 0.3124,
0.3587

■ 93.5192, 0.3126,
0.3587

Harmonies

Analogous

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



46.9883, 0.2611, 0.2400



46.9883, 0.3152, 0.2575



46.9883, 0.3737, 0.2903

Triad

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



46.9883, 0.3152, 0.2575



46.9883, 0.4051, 0.4158



46.9883, 0.2185, 0.3114

Complementary

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



46.9883, 0.3152, 0.2575



64.6370, 0.3095, 0.4122

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.



46.9883, 0.2511, 0.3702



46.9883, 0.3152, 0.2575



46.9883, 0.3584, 0.4344

Square

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



46.9883, 0.3152, 0.2575



46.9883, 0.4276, 0.3774



46.9883, 0.3020, 0.4188



46.9883, 0.2094, 0.2656

Rectangle

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



46.9883, 0.3152, 0.2575



46.9883, 0.4052, 0.3179



46.9883, 0.3020, 0.4188



46.9883, 0.2269, 0.3304

Sweetspot

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



46.9904, 0.3152, 0.2575



86.1549, 0.3135, 0.3068



38.9441, 0.2625, 0.2471



17.9959, 0.3137, 0.3032



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.



46.9904, 0.3152, 0.2575



56.3456, 0.3156, 0.2441



45.5818, 0.3437, 0.2906



13.9244, 0.3136, 0.3059



12.0465, 0.3171, 0.1521



0.8385, 0.3177, 0.1524

Inverse Universe

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



44.2696, 0.3751, 0.3280



52.2643, 0.3922, 0.3278



65.7837, 0.2901, 0.3710



13.7039, 0.3290, 0.3287



9.2302, 0.6384, 0.3290



0.6410, 0.6333, 0.3263

Previews

White Background



This preview shows how the Yxy color 46.9883, 0.3152, 0.2575 looks on a white background.

Color Contrast Check

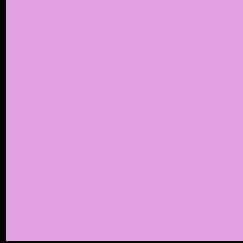
Large Text (above 18pt) WCAG AA × Fail

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 46.9883, 0.3152, 0.2575 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 46.9883, 0.3152, 0.2575

Background



This preview shows how black text looks on a background with the Yxy color 46.9883, 0.3152, 0.2575.



This preview shows how white text looks on a background with the Yxy color 46.9883, 0.3152, 0.2575.

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

46.9883, 0.3152, 0.2575

Protanopia

47.5545, 0.2607, 0.2573

Deuteranopia

47.2712, 0.2807, 0.2750



Tritanopia

46.8134, 0.3474, 0.3137

Trichromacy



Original Color

46.9883, 0.3152, 0.2575



Protanomaly

46.9616, 0.2783, 0.2569



Deuteranomaly

46.6226, 0.2922, 0.2673



Tritanomaly

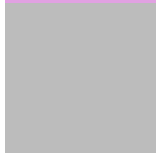
46.7218, 0.3353, 0.2920

Monochromacy



Original Color

46.9883, 0.3152, 0.2575



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

48.5226, 0.3132, 0.3000

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9883, 0.3152, 0.2575 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(225, 161, 226)` looks like.

```
.text, #text, p{  
    color:rgb(225, 161, 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(225, 161, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 161, 226) }
```

Border

The CSS property to change the border of an element to Yxy 46.9883, 0.3152, 0.2575 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(225, 161, 226) }
```

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

```
.border{ border-color:rgb(225, 161, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 161, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 161, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 161, 226);  
box-shadow:4px 4px 4px 4px rgb(225, 161,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9883, 0.3152, 0.2575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 161, 226) }
```

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

```
.background{ background-color: rgb(225,  
161, 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