

Converting Colors

$Y_{xy}(47.1480, 0.3178, 0.2789)$

Have a look what the booklet for
Yxy(47.1480, 0.3178, 0.2789)
contains.

Yxy(47.1555, 0.3186, 0.2793)	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(47.1555, 0.3186, 0.2793)

Conversions

Conversions Part 1

Format	Color
Hex	D7A8D3
RGB	215, 168, 211
RGB Percent	84%, 66%, 83%
CMY	0.1567, 0.3412, 0.1726
CMYK	0.00, 0.22, 0.02, 0.16
HSL	305°, 37%, 75%
HSV	305°, 22%, 84%
XYZ	53.7907, 47.1555, 67.8884
YIQ	186.9550, 14.2090, 23.3370

Conversions

Conversions Part 2

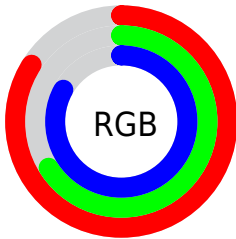
Format	Color
R _Y B	215, 168, 211
Decimal	14133459
CIE Lab	74.29, 24.40, -15.19
CIE LCh	74, 28.744, 328.100
Yxy	47.1555, 0.3186, 0.2793
Android (android.graphics.Color)	4292323539 (0xFFD7A8D3)
YUV	186.9550, 11.8542, 24.5955
Hunter-Lab	68.6699, 19.6509, -10.5464

Details

The Yxy color $47.1555, 0.3186, 0.2793$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $59.9216, 0.3073, 0.3843$, and the grayscale version is $49.5954, 0.3127, 0.3290$.

A 20% lighter version of the original color is $81.2554, 0.3142, 0.2980$, and $22.3647, 0.3204, 0.2679$ is the 20% darker color. If you saturate the color by 10%, you get $39.7718, 0.3217, 0.2563$, and if you desaturate by 10%, it is $55.8572, 0.3157, 0.3024$.

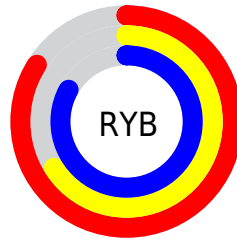
Distribution



Red (84%)

Green (66%)

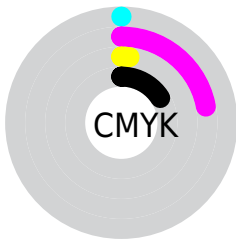
Blue (83%)



Red (84%)

Yellow (66%)

Blue (83%)

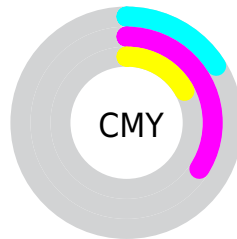


Cyan (0%)

Magenta (22%)

Yellow (2%)

Black (16%)



Cyan (16%)


Magenta (34%)


Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1555, 0.3186, 0.2793 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 47.1555, 0.3186, 0.2793 by changing the saturation by 10% instead.


 47.1555, 0.3186,
0.2793

 47.1555, 0.3186,
0.2793


375.4349, 0.3161,
0.3031

 33.1586, 0.3191,
0.2737


 85.9457, 0.3178,
0.2877

 22.2480, 0.3197,
0.2666


 111.5078, 0.3174,
0.2909

 14.0392, 0.3204,
0.2575


141.6937, 0.3171,
0.2937

 8.1479, 0.3211,
0.2453

176.8879, 0.3169,
0.2961

 4.1898, 0.3219,
0.2283

217.4747, 0.3167,
0.2982

 1.7803, 0.3223,
0.2028

263.8385, 0.3164,

 0.4748, 0.3266,

0.3000

0.1458

316.3638, 0.3163,
0.3016

0.0000, 0.0000,
0.0000

47.1555, 0.3186,
0.2793

47.1555, 0.3186,
0.2793

39.7718, 0.3217,
0.2563

55.8572, 0.3157,
0.3024

33.6354, 0.3251,
0.2343

65.9307, 0.3132,
0.3249

28.6785, 0.3285,
0.2141

77.4345, 0.3109,
0.3464


24.8242, 0.3321,
0.1967

90.4217, 0.3089,
0.3666

21.9866, 0.3355,
0.1830


91.1515, 0.3078,
0.3656

 20.0671, 0.3388,
0.1735


 91.2500, 0.3068,
0.3636

 18.9476, 0.3418,
0.1685

 91.3497, 0.3058,
0.3616

 18.4630, 0.3440,
0.1669

 91.4505, 0.3047,
0.3596

 91.5523, 0.3037,
0.3576

Harmonies

Analogous

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



47.1555, 0.2797, 0.2656



47.1555, 0.3186, 0.2793



47.1555, 0.3582, 0.3043

Triad

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



47.1555, 0.3186, 0.2793



47.1555, 0.3758, 0.3925



47.1555, 0.2446, 0.3150

Complementary

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



47.1555, 0.3186, 0.2793



59.9216, 0.3073, 0.3843

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.



47.1555, 0.2674, 0.3541



47.1555, 0.3186, 0.2793



47.1555, 0.3428, 0.4011

Square

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



47.1555, 0.3186, 0.2793



47.1555, 0.3921, 0.3678



47.1555, 0.3030, 0.3872



47.1555, 0.2390, 0.2834

Rectangle

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



47.1555, 0.3186, 0.2793



47.1555, 0.3786, 0.3250



47.1555, 0.3030, 0.3872



47.1555, 0.2504, 0.3277

Sweetspot

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



47.1576, 0.3186, 0.2793



89.0369, 0.3145, 0.3133



41.6717, 0.2791, 0.2688



18.8656, 0.3146, 0.3119



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.



47.1576, 0.3186, 0.2793



64.3848, 0.3199, 0.2692



46.0682, 0.3389, 0.3057



12.6134, 0.3151, 0.3080



11.0472, 0.3436, 0.1667



0.6719, 0.3393, 0.1643

Inverse Universe

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



47.1576, 0.3186, 0.2793



64.3848, 0.3199, 0.2692



60.9014, 0.2923, 0.3536



12.6134, 0.3151, 0.3080



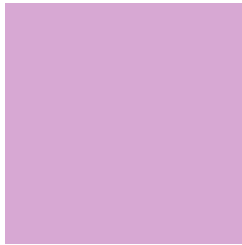
11.0472, 0.3436, 0.1667



0.6719, 0.3393, 0.1643

Previews

White Background



This preview shows how the Yxy color 47.1555, 0.3186, 0.2793 looks on a white background.

Color Contrast Check

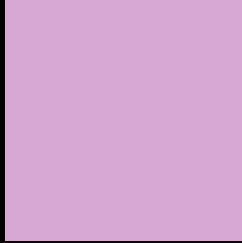
Large Text (above 18pt) WCAG AA × Fail

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 47.1555, 0.3186, 0.2793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

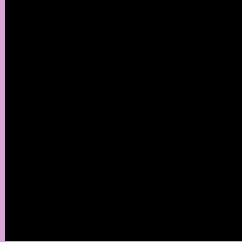
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.1555, 0.3186, 0.2793

Background



This preview shows how black text looks on a background with the Yxy color 47.1555, 0.3186, 0.2793.



This preview shows how white text looks on a background with the Yxy color 47.1555, 0.3186, 0.2793.

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

47.1555, 0.3186, 0.2793

Protanopia

47.3290, 0.2791, 0.2804

Deuteranopia

47.1356, 0.2970, 0.2906



Tritanopia

47.0473, 0.3369, 0.3122

Trichromacy



Original Color

47.1555, 0.3186, 0.2793

Protanomaly

47.0076, 0.2926, 0.2791

Deuteranomaly

46.9310, 0.3045, 0.2855

Tritanomaly

47.2121, 0.3301, 0.3006

Monochromacy



Original Color

47.1555, 0.3186, 0.2793

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

48.4984, 0.3145, 0.3093

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1555, 0.3186, 0.2793 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(215, 168, 211)` looks like.

```
.text, #text, p{  
    color:rgb(215, 168, 211)  
}
```

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(215, 168, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 168, 211) }
```

Border

The CSS property to change the border of an element to Yxy 47.1555, 0.3186, 0.2793 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(215, 168, 211) }
```

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

```
.border{ border-color:rgb(215, 168, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 168, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 168, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 168, 211);  
box-shadow:4px 4px 4px 4px rgb(215, 168,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1555, 0.3186, 0.2793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 168, 211) }
```

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

```
.background{ background-color: rgb(215,  
168, 211) }
```

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