

Converting Colors

$Y_{xy}(32.8017, 0.3406, 0.2538)$

Have a look what the booklet for
Yxy(32.8017, 0.3406, 0.2538)
contains.

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Color

Yxy(32.8499, 0.3407, 0.2548)

Conversions

Conversions Part 1

Format	Color
Hex	D47FBD
RGB	212, 127, 189
RGB Percent	83%, 50%, 74%
CMY	0.1686, 0.5019, 0.2590
CMYK	0.00, 0.40, 0.11, 0.17
HSL	316°, 50%, 66%
HSV	316°, 40%, 83%
XYZ	43.9245, 32.8499, 52.1499
YIQ	159.4830, 30.7580, 37.3020

Conversions

Conversions Part 2

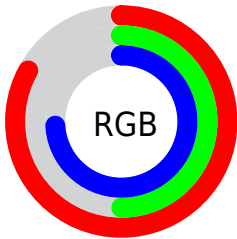
Format	Color
R_{YB}	212, 127, 189
Decimal	13926333
CIE _{Lab}	64.04, 41.57, -18.48
CIE _{LCh}	64, 45.495, 336.031
Yxy	32.8499, 0.3407, 0.2548
Android (android.graphics.Color)	4292116413 (0xFFD47FBD)
YUV	159.4830, 14.5519, 46.0574
Hunter-Lab	57.3148, 36.4965, -13.8267

Details

The Yxy color **32.8499, 0.3407, 0.2548** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **53.8070, 0.2934, 0.4175**, and the grayscale version is **34.8258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.9003, 0.3237, 0.2655**, and **13.8776, 0.3478, 0.2335** is the 20% darker color. If you saturate the color by 10%, you get **27.6944, 0.3502, 0.2374**, and if you desaturate by 10%, it is **39.1704, 0.3322, 0.2734**.

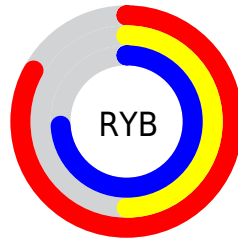
Distribution



Red (83%)

Green (50%)

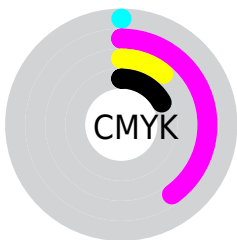
Blue (74%)



Red (83%)

Yellow (50%)

Blue (74%)

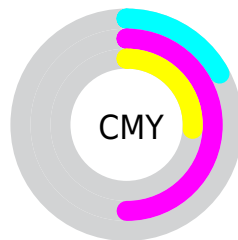


Cyan (0%)

Magenta (40%)

Yellow (11%)

Black (17%)



Cyan (17%)


Magenta (50%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8499, 0.3407, 0.2548 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 32.8499, 0.3407, 0.2548 by changing the saturation by 10% instead.

 32.8499, 0.3407,
0.2548


 32.8499, 0.3407,
0.2548


314.9728, 0.3270,
0.2916


 22.0115, 0.3440,
0.2458


 64.1411, 0.3358,
0.2681

 13.8653, 0.3481,
0.2343


 85.3627, 0.3340,
0.2731

 8.0271, 0.3535,
0.2192

 110.8141, 0.3324,
0.2773

 4.1123, 0.3607,
0.1986

140.8798, 0.3310,
0.2810

 1.7366, 0.3707,
0.1692

175.9441, 0.3298,
0.2842

 0.4472, 0.3913,
0.1099

216.3915, 0.3288,

 0.0000, 0.4032,

0.2869

0.0000

262.6062, 0.3278,
0.2894

0.0000, 0.0000,
0.0000

32.8499, 0.3407,
0.2548

32.8499, 0.3407,
0.2548

27.6944, 0.3502,
0.2374

39.1704, 0.3322,
0.2734

23.6264, 0.3606,
0.2221

46.7181, 0.3247,
0.2923

20.5662, 0.3716,
0.2101


55.5560, 0.3183,
0.3109

18.4210, 0.3829,
0.2023

65.7415, 0.3128,
0.3288


17.0808, 0.3940,
0.1992


77.3286, 0.3081,
0.3457

 16.3492, 0.4048,
0.2004

 90.3682, 0.3042,
0.3615

 91.1863, 0.3010,
0.3561

 91.5130, 0.2979,
0.3499

 91.8505, 0.2948,
0.3438

Harmonies

Analogous

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



32.8499, 0.2702, 0.2272



32.8499, 0.3407, 0.2548



32.8499, 0.4100, 0.2980

Triad

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



32.8499, 0.3407, 0.2548



32.8499, 0.4065, 0.4460



32.8499, 0.1919, 0.2832

Complementary

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



32.8499, 0.3407, 0.2548



53.8070, 0.2934, 0.4175

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.



32.8499, 0.2203, 0.3534



32.8499, 0.3407, 0.2548



32.8499, 0.3429, 0.4597

Square

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



32.8499, 0.3407, 0.2548



32.8499, 0.4477, 0.4027



32.8499, 0.2747, 0.4248



32.8499, 0.1916, 0.2378

Rectangle

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



32.8499, 0.3407, 0.2548



32.8499, 0.4417, 0.3321



32.8499, 0.2747, 0.4248



32.8499, 0.1982, 0.3045

Sweetspot

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



32.8514, 0.3407, 0.2548



81.4838, 0.3195, 0.3072



26.3876, 0.2578, 0.2127



17.0486, 0.3203, 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.



32.8514, 0.3407, 0.2548



43.1900, 0.3486, 0.2400



31.2804, 0.3893, 0.3044



12.5726, 0.3179, 0.3122



10.1099, 0.4033, 0.1995



0.6233, 0.3859, 0.1900

Inverse Universe

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



32.8514, 0.3407, 0.2548



43.1900, 0.3486, 0.2400



55.4169, 0.2687, 0.3559



12.5726, 0.3179, 0.3122



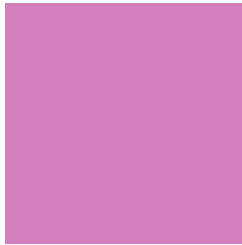
10.1099, 0.4033, 0.1995



0.6233, 0.3859, 0.1900

Previews

White Background



This preview shows how the Yxy color 32.8499, 0.3407, 0.2548 looks on a white background.

Color Contrast Check

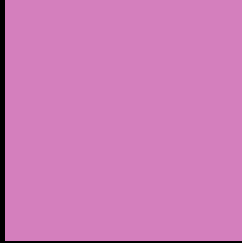
Large Text (above 18pt) WCAG AA × Fail

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 32.8499, 0.3407, 0.2548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

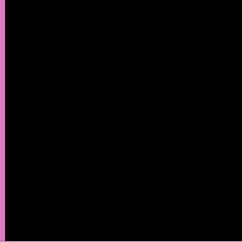
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.8499, 0.3407, 0.2548

Background



This preview shows how black text looks on a background with the Yxy color 32.8499, 0.3407, 0.2548.



This preview shows how white text looks on a background with the Yxy color 32.8499, 0.3407, 0.2548.

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

32.8499, 0.3407, 0.2548

Protanopia

33.2407, 0.2571, 0.2532

Deuteranopia

33.1274, 0.2884, 0.2819



Tritanopia

32.9490, 0.3815, 0.3164

Trichromacy



Original Color

32.8499, 0.3407, 0.2548



Protanomaly

32.2706, 0.2829, 0.2519



Deuteranomaly

32.5372, 0.3064, 0.2708



Tritanomaly

32.9390, 0.3662, 0.2928

Monochromacy



Original Color

32.8499, 0.3407, 0.2548



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

33.2347, 0.3224, 0.2972

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8499, 0.3407, 0.2548 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(212, 127, 189)` looks like.

```
.text, #text, p{  
    color:rgb(212, 127, 189)  
}
```

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(212, 127, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 127, 189) }
```

Border

The CSS property to change the border of an element to Yxy 32.8499, 0.3407, 0.2548 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(212, 127, 189) }
```

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

```
.border{ border-color:rgb(212, 127, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 127, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 127, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 127, 189);  
box-shadow:4px 4px 4px 4px rgb(212, 127,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8499, 0.3407, 0.2548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 127, 189) }
```

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

```
.background{ background-color: rgb(212,  
127, 189) }
```

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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