

Converting Colors

$Y_{xy}(32.4800, 0.3432, 0.2521)$

Have a look what the booklet for
Yxy(32.4800, 0.3432, 0.2521)
contains.

Yxy(32.3856, 0.3432, 0.2519)	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(32.3856, 0.3432, 0.2519)

Conversions

Conversions Part 1

Format	Color
Hex	D67CBD
RGB	214, 124, 189
RGB Percent	84%, 49%, 74%
CMY	0.1608, 0.5137, 0.2589
CMYK	0.00, 0.42, 0.12, 0.16
HSL	317°, 52%, 66%
HSV	317°, 42%, 84%
XYZ	44.1236, 32.3856, 52.0561
YIQ	158.3200, 32.7750, 39.2950

Conversions

Conversions Part 2

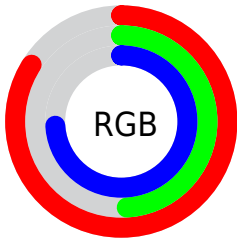
Format	Color
R _Y B	214, 124, 189
Decimal	14056637
CIE Lab	63.66, 43.79, -19.04
CIE LCh	64, 47.749, 336.498
Yxy	32.3856, 0.3432, 0.2519
Android (android.graphics.Color)	4292246717 (0xFFD67CBD)
YUV	158.3200, 15.1252, 48.8314
Hunter-Lab	56.9083, 38.8095, -14.3988

Details

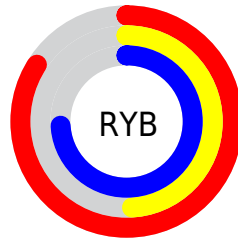
The Yxy color **32.3856, 0.3432, 0.2519** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **54.5529, 0.2922, 0.4218**, and the grayscale version is **34.2645, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6934, 0.3239, 0.2625**, and **13.5804, 0.3498, 0.2299** is the 20% darker color. If you saturate the color by 10%, you get **27.3393, 0.3532, 0.2350**, and if you desaturate by 10%, it is **38.6094, 0.3343, 0.2702**.

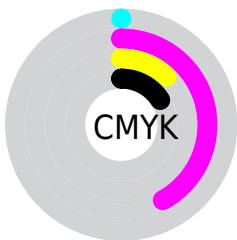
Distribution



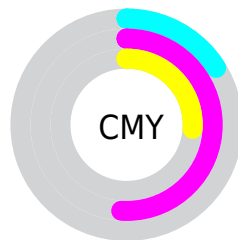
- Red (84%)
- Green (49%)
- Blue (74%)



- Red (84%)
- Yellow (49%)
- Blue (74%)



- Cyan (0%)
- Magenta (42%)
- Yellow (12%)
- Black (16%)




- Cyan (16%)
- Magenta (51%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.3856, 0.3432, 0.2519 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 32.3856, 0.3432, 0.2519 by changing the saturation by 10% instead.

 32.3856, 0.3432,
0.2519


 32.3856, 0.3432,
0.2519


312.8721, 0.3283,
0.2901


 21.6562, 0.3468,
0.2425


 63.4151, 0.3379,
0.2657

 13.6045, 0.3514,
0.2306


 84.4840, 0.3358,
0.2709

 7.8461, 0.3573,
0.2151

 109.7682, 0.3341,
0.2753

 3.9966, 0.3652,
0.1938

139.6520, 0.3326,
0.2791

 1.6717, 0.3762,
0.1636

174.5199, 0.3313,
0.2824

 0.4052, 0.3997,
0.1003

214.7563, 0.3302,


 0.0000, 0.4147,

0.2853


0.0000


260.7456, 0.3292,
0.2878

 0.0000, 0.0000,
0.0000


 32.3856, 0.3432,
0.2519

 32.3856, 0.3432,
0.2519


 27.3393, 0.3532,
0.2350


 38.6094, 0.3343,
0.2702


 23.3897, 0.3640,
0.2204


 46.0755, 0.3264,
0.2890


 20.4533, 0.3754,
0.2092

 54.8493, 0.3196,
0.3075


 18.4321, 0.3871,
0.2024

 64.9904, 0.3138,
0.3254

 17.2089, 0.3985,
0.2005

 76.5547, 0.3089,
0.3424

 16.6465, 0.4074,
0.2018

 89.5949, 0.3048,
0.3582

 91.5661, 0.3014,
0.3544

 91.9075, 0.2982,
0.3481

 92.2604, 0.2949,
0.3418

Harmonies

Analogous

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



32.3856, 0.2689, 0.2229



32.3856, 0.3432, 0.2519



32.3856, 0.4163, 0.2970

Triad

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



32.3856, 0.3432, 0.2519



32.3856, 0.4098, 0.4521



32.3856, 0.1861, 0.2794

Complementary

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



32.3856, 0.3432, 0.2519



54.5529, 0.2922, 0.4218

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.



32.3856, 0.2149, 0.3532



32.3856, 0.3432, 0.2519



32.3856, 0.3427, 0.4671

Square

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



32.3856, 0.3432, 0.2519



32.3856, 0.4540, 0.4062



32.3856, 0.2713, 0.4297



32.3856, 0.1863, 0.2326

Rectangle

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



32.3856, 0.3432, 0.2519



32.3856, 0.4492, 0.3324



32.3856, 0.2713, 0.4297



32.3856, 0.1924, 0.3016

Sweetspot

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



32.3871, 0.3432, 0.2519



80.0633, 0.3203, 0.3056



25.5688, 0.2545, 0.2062



16.4876, 0.3217, 0.3014



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.



32.3871, 0.3432, 0.2519



41.7113, 0.3516, 0.2375



30.7585, 0.3949, 0.3033



12.5710, 0.3180, 0.3123



10.0796, 0.4059, 0.2009



0.6217, 0.3879, 0.1910

Inverse Universe

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



32.3871, 0.3432, 0.2519



41.7113, 0.3516, 0.2375



56.2323, 0.2669, 0.3574



12.5710, 0.3180, 0.3123



10.0796, 0.4059, 0.2009



0.6217, 0.3879, 0.1910

Previews

White Background



This preview shows how the Yxy color 32.3856, 0.3432, 0.2519 looks on a white background.

Color Contrast Check

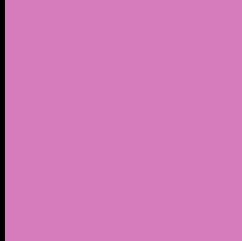
Large Text (above 18pt) WCAG AA × Fail

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 32.3856, 0.3432, 0.2519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

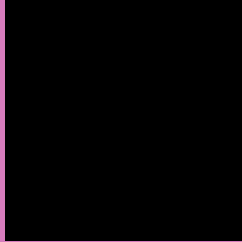
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.3856, 0.3432, 0.2519

Background



This preview shows how black text looks on a background with the Yxy color 32.3856, 0.3432, 0.2519.



This preview shows how white text looks on a background with the Yxy color 32.3856, 0.3432, 0.2519.

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

32.3856, 0.3432, 0.2519

Protanopia

32.8389, 0.2540, 0.2490

Deuteranopia

32.5625, 0.2873, 0.2815



Tritanopia

32.3135, 0.3883, 0.3165

Trichromacy



Original Color

32.3856, 0.3432, 0.2519



Protanomaly

31.7173, 0.2820, 0.2480



Deuteranomaly

31.8250, 0.3055, 0.2679



Tritanomaly

32.3522, 0.3715, 0.2918

Monochromacy



Original Color

32.3856, 0.3432, 0.2519



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

32.8873, 0.3234, 0.2971

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3856, 0.3432, 0.2519 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(214, 124, 189)` looks like.

```
.text, #text, p{  
    color:rgb(214, 124, 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(214, 124, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 124, 189) }
```

Border

The CSS property to change the border of an element to Yxy 32.3856, 0.3432, 0.2519 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(214, 124, 189) }
```

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

```
.border{ border-color:rgb(214, 124, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 124, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 124, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 124, 189);  
box-shadow:4px 4px 4px 4px rgb(214, 124,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3856, 0.3432, 0.2519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 124, 189) }
```

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

```
.background{ background-color: rgb(214,  
124, 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](#).

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