

Converting Colors

$Y_{xy}(32.3936, 0.3453, 0.2761)$

Have a look what the booklet for
Yxy(32.3936, 0.3453, 0.2761)
contains.

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Color

Yxy(32.4268, 0.3443, 0.2758)

Conversions

Conversions Part 1

Format	Color
Hex	CA85AF
RGB	202, 133, 175
RGB Percent	79%, 52%, 69%
CMY	0.2078, 0.4784, 0.3138
CMYK	0.00, 0.34, 0.13, 0.21
HSL	324°, 39%, 66%
HSV	324°, 34%, 79%
XYZ	40.4806, 32.4268, 44.6662
YIQ	158.4190, 27.6420, 27.6900

Conversions

Conversions Part 2

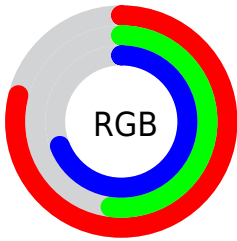
Format	Color
R_{YB}	202, 133, 175
Decimal	13272495
CIE _{Lab}	63.69, 32.68, -11.20
CIE _{LCh}	64, 34.547, 341.079
Yxy	32.4268, 0.3443, 0.2758
Android (android.graphics.Color)	4291462575 (0xFFCA85AF)
YUV	158.4190, 8.1744, 38.2205
Hunter-Lab	56.9445, 27.2387, -6.6448

Details

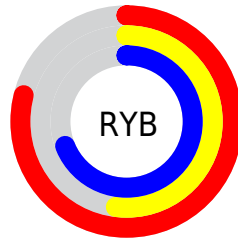
The Yxy color **32.4268, 0.3443, 0.2758** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **49.7696, 0.2906, 0.3893**, and the grayscale version is **34.3455, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.5702, 0.3341, 0.2847**, and **13.6677, 0.3535, 0.2594** is the 20% darker color. If you saturate the color by 10%, you get **27.1165, 0.3572, 0.2602**, and if you desaturate by 10%, it is **38.8219, 0.3331, 0.2918**.

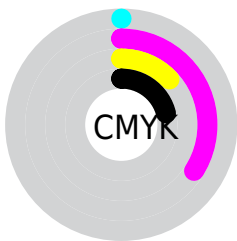
Distribution



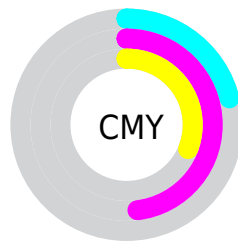
- Red (79%)
- Green (52%)
- Blue (69%)



- Red (79%)
- Yellow (52%)
- Blue (69%)



- Cyan (0%)
- Magenta (34%)
- Yellow (13%)
- Black (21%)





- Cyan (21%)
- Magenta (48%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.4268, 0.3443, 0.2758 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 32.4268, 0.3443, 0.2758 by changing the saturation by 10% instead.


 32.4268, 0.3443,
0.2758


 32.4268, 0.3443,
0.2758


313.0589, 0.3281,
0.3028


 21.6877, 0.3485,
0.2689


 63.4796, 0.3383,
0.2857

 13.6276, 0.3539,
0.2601


 84.5621, 0.3361,
0.2894

 7.8621, 0.3612,
0.2482


 109.8611, 0.3343,
0.2925

 4.0068, 0.3716,
0.2314

139.7611, 0.3327,
0.2952

 1.6774, 0.3875,
0.2061

174.6465, 0.3313,
0.2975

 0.4090, 0.4264,
0.1411

214.9017, 0.3301,

 0.0000, 0.8533,

0.2995

0.0000

260.9110, 0.3291,
0.3012

0.0000, 0.0000,
0.0000

32.4268, 0.3443,
0.2758

32.4268, 0.3443,
0.2758

27.1165, 0.3572,
0.2602

38.8219, 0.3331,
0.2918

22.8250, 0.3719,
0.2460

46.3541, 0.3236,
0.3077

19.4862, 0.3882,
0.2341


55.0772, 0.3156,
0.3229

17.0240, 0.4056,
0.2258

65.0408, 0.3090,
0.3373


15.3508, 0.4236,
0.2221


76.2914, 0.3034,
0.3507


 14.3601, 0.4414,
0.2236

 88.8730, 0.2988,
0.3632

 13.9834, 0.4517,
0.2262

 89.8114, 0.2945,
0.3552

 90.2673, 0.2903,
0.3466

 90.7436, 0.2861,
0.3382

Harmonies

Analogous

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



32.4268, 0.2890, 0.2510



32.4268, 0.3443, 0.2758



32.4268, 0.3940, 0.3126

Triad

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



32.4268, 0.3443, 0.2758



32.4268, 0.3796, 0.4234



32.4268, 0.2160, 0.2879

Complementary

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



32.4268, 0.3443, 0.2758



49.7696, 0.2906, 0.3893

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.



32.4268, 0.2359, 0.3389



32.4268, 0.3443, 0.2758



32.4268, 0.3289, 0.4248

Square

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



32.4268, 0.3443, 0.2758



32.4268, 0.4139, 0.3955



32.4268, 0.2764, 0.3925



32.4268, 0.2192, 0.2547

Rectangle

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



32.4268, 0.3443, 0.2758



32.4268, 0.4149, 0.3407



32.4268, 0.2764, 0.3925



32.4268, 0.2201, 0.3034

Sweetspot

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



32.4283, 0.3443, 0.2758



84.1688, 0.3203, 0.3139



28.4594, 0.2752, 0.2342



17.5759, 0.3214, 0.3117



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.



32.4283, 0.3443, 0.2758



48.0733, 0.3537, 0.2642



31.2592, 0.3829, 0.3187



11.3264, 0.3197, 0.3150



9.0157, 0.4494, 0.2249



0.4798, 0.4178, 0.2075

Inverse Universe

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



32.4283, 0.3443, 0.2758



48.0733, 0.3537, 0.2642



51.1230, 0.2695, 0.3399



11.3264, 0.3197, 0.3150



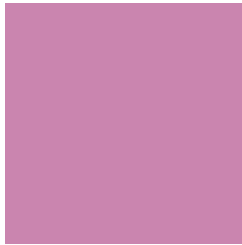
9.0157, 0.4494, 0.2249



0.4798, 0.4178, 0.2075

Previews

White Background



This preview shows how the Yxy color 32.4268, 0.3443, 0.2758 looks on a white background.

Color Contrast Check

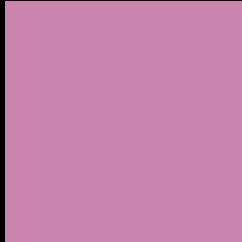
Large Text (above 18pt) WCAG AA × Fail

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 32.4268, 0.3443, 0.2758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

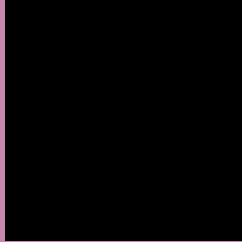
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.4268, 0.3443, 0.2758

Background



This preview shows how black text looks on a background with the Yxy color 32.4268, 0.3443, 0.2758.



This preview shows how white text looks on a background with the Yxy color 32.4268, 0.3443, 0.2758.

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

32.4268, 0.3443, 0.2758

Protanopia

32.6163, 0.2771, 0.2781

Deuteranopia

32.4726, 0.3043, 0.2972



Tritanopia

32.4572, 0.3698, 0.3160

Trichromacy



Original Color

32.4268, 0.3443, 0.2758

Protanomaly

32.1922, 0.2993, 0.2772

Deuteranomaly

32.3108, 0.3187, 0.2889

Tritanomaly

32.3563, 0.3602, 0.3004

Monochromacy



Original Color

32.4268, 0.3443, 0.2758

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

33.1739, 0.3239, 0.3078

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4268, 0.3443, 0.2758 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(202, 133, 175)` looks like.

```
.text, #text, p{  
    color:rgb(202, 133, 175)  
}
```

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(202, 133, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 133, 175) }
```

Border

The CSS property to change the border of an element to Yxy 32.4268, 0.3443, 0.2758 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(202, 133, 175) }
```

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

```
.border{ border-color:rgb(202, 133, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 133, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 133, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 133, 175);  
box-shadow:4px 4px 4px 4px rgb(202, 133,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4268, 0.3443, 0.2758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 133, 175) }
```

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

```
.background{ background-color: rgb(202,  
133, 175) }
```

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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