

Converting Colors

$Y_{xy}(40.0079, 0.3156, 0.2678)$

Have a look what the booklet for
Yxy(40.0079, 0.3156, 0.2678)
contains.

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Color

Yxy(39.9795, 0.3156, 0.2674)

Conversions

Conversions Part 1

Format	Color
Hex	CC99CC
RGB	204, 153, 204
RGB Percent	80%, 60%, 80%
CMY	0.2001, 0.3999, 0.2001
CMYK	0.00, 0.25, 0.00, 0.20
HSL	300°, 33%, 70%
HSV	300°, 25%, 80%
XYZ	47.1860, 39.9795, 62.3465
YIQ	174.0630, 14.0250, 26.6730

Conversions

Conversions Part 2

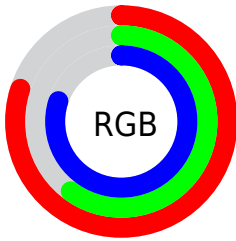
Format	Color
R_{YB}	204, 153, 204
Decimal	13408716
CIE _{Lab}	69.45, 27.57, -18.74
CIE _{LCh}	69, 33.336, 325.790
Yxy	39.9795, 0.3156, 0.2674
Android (android.graphics.Color)	4291598796 (0xFFCC99CC)
YUV	174.0630, 14.7589, 26.2547
Hunter-Lab	63.2293, 22.5573, -14.2016

Details

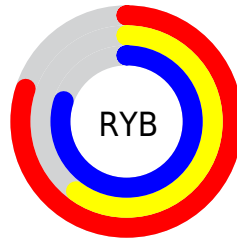
The Yxy color **39.9795, 0.3156, 0.2674** is a light color, and the websafe version is hex **CC99CC**, and the color name is **light grayish magenta**. A complement of this color would be **52.2536, 0.3094, 0.3994**, and the grayscale version is **42.2792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5918, 0.3149, 0.2831**, and **17.8989, 0.3151, 0.2501** is the 20% darker color. If you saturate the color by 10%, you get **33.8636, 0.3167, 0.2431**, and if you desaturate by 10%, it is **47.2403, 0.3144, 0.2923**.

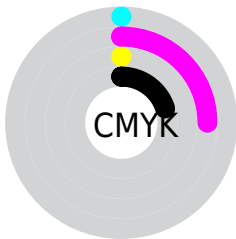
Distribution



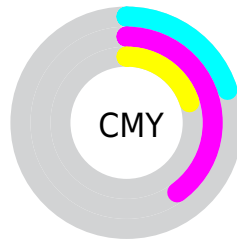
- Red (80%)
- Green (60%)
- Blue (80%)



- Red (80%)
- Yellow (60%)
- Blue (80%)



- Cyan (0%)
- Magenta (25%)
- Yellow (0%)
- Black (20%)





- Cyan (20%)
- Magenta (40%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9795, 0.3156, 0.2674 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 39.9795, 0.3156, 0.2674 by changing the saturation by 10% instead.


 39.9795, 0.3156,
0.2674


 39.9795, 0.3156,
0.2674


346.0372, 0.3147,
0.2974

 27.5226, 0.3156,
0.2602


 75.1323, 0.3154,
0.2781

 17.9661, 0.3156,
0.2510


 98.5969, 0.3153,
0.2822

 10.9256, 0.3154,
0.2391


126.4996, 0.3152,
0.2857

 6.0168, 0.3147,
0.2231

159.2247, 0.3151,
0.2887

 2.8553, 0.3131,
0.2003

197.1566, 0.3150,
0.2913

 1.0567, 0.3090,
0.1659

240.6797, 0.3149,

 0.0000, 0.3260,

0.2936

0.0000

290.1784, 0.3148,
0.2956

0.0000, 0.0000,
0.0000

39.9795, 0.3156,
0.2674

39.9795, 0.3156,
0.2674

33.8636, 0.3167,
0.2431

47.2403, 0.3144,
0.2923

28.8295, 0.3178,
0.2202

55.6948, 0.3133,
0.3170

24.8155, 0.3188,
0.1997

65.3950, 0.3122,
0.3408

21.7523, 0.3196,
0.1826

76.3888, 0.3111,
0.3634

19.5612, 0.3202,
0.1694

88.7150, 0.3101,
0.3845

■ 18.1516, 0.3206,
0.1604

■ 88.7154, 0.3101,
0.3845

■ 17.4127, 0.3208,
0.1556

■ 88.7158, 0.3101,
0.3845

■ 17.1905, 0.3209,
0.1541

■ 88.7161, 0.3101,
0.3845

■ 88.7165, 0.3101,
0.3845

Harmonies

Analogous

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



39.9795, 0.2691, 0.2521



39.9795, 0.3156, 0.2674



39.9795, 0.3649, 0.2962

Triad

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



39.9795, 0.3156, 0.2674



39.9795, 0.3917, 0.4040



39.9795, 0.2316, 0.3145

Complementary

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



39.9795, 0.3156, 0.2674



52.2536, 0.3094, 0.3994

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.



39.9795, 0.2601, 0.3635



39.9795, 0.3156, 0.2674



39.9795, 0.3522, 0.4180

Square

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



39.9795, 0.3156, 0.2674



39.9795, 0.4104, 0.3720



39.9795, 0.3039, 0.4038



39.9795, 0.2236, 0.2752

Rectangle

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



39.9795, 0.3156, 0.2674



39.9795, 0.3912, 0.3204



39.9795, 0.3039, 0.4038



39.9795, 0.2390, 0.3305

Sweetspot

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



39.9812, 0.3156, 0.2674



89.1348, 0.3135, 0.3118



34.2000, 0.2703, 0.2598



18.8884, 0.3136, 0.3103



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.



39.9812, 0.3156, 0.2674



60.5183, 0.3162, 0.2541



38.8921, 0.3385, 0.2961



11.4037, 0.3138, 0.3062



10.8218, 0.3209, 0.1541



0.5583, 0.3209, 0.1541

Inverse Universe

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



37.9239, 0.3649, 0.3291



56.5350, 0.3805, 0.3292



53.1529, 0.2930, 0.3645



11.2137, 0.3290, 0.3290



8.0800, 0.6401, 0.3300



0.4168, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 39.9795, 0.3156, 0.2674 looks on a white background.

Color Contrast Check

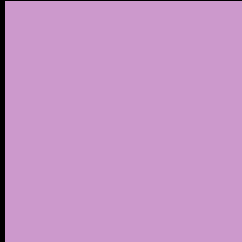
Large Text (above 18pt) WCAG AA × Fail

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 39.9795, 0.3156, 0.2674 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 39.9795, 0.3156, 0.2674

Background



This preview shows how black text looks on a background with the Yxy color 39.9795, 0.3156, 0.2674.



This preview shows how white text looks on a background with the Yxy color 39.9795, 0.3156, 0.2674.

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

39.9795, 0.3156, 0.2674

Protanopia

40.1294, 0.2690, 0.2682

Deuteranopia

40.1946, 0.2878, 0.2816



Tritanopia

39.8787, 0.3406, 0.3137

Trichromacy



Original Color

39.9795, 0.3156, 0.2674

Protanomaly

39.9615, 0.2850, 0.2685

Deuteranomaly

39.8688, 0.2972, 0.2752

Tritanomaly

39.9503, 0.3315, 0.2964

Monochromacy



Original Color

39.9795, 0.3156, 0.2674

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

41.0895, 0.3139, 0.3042

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9795, 0.3156, 0.2674 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(204, 153, 204)` looks like.

```
.text, #text, p{  
    color:rgb(204, 153, 204)  
}
```

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(204, 153, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 153, 204) }
```

Border

The CSS property to change the border of an element to Yxy 39.9795, 0.3156, 0.2674 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(204, 153, 204) }
```

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

```
.border{ border-color:rgb(204, 153, 204) }
```

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

Here you see how a box with a 4 pixel rgb(204, 153, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 153, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 153, 204);  
box-shadow:4px 4px 4px 4px rgb(204, 153,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9795, 0.3156, 0.2674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 153, 204) }
```

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

```
.background{ background-color: rgb(204,  
153, 204) }
```

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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