

Converting Colors

$Y_{xy}(40.5372, 0.3150, 0.2794)$

Have a look what the booklet for
Yxy(40.5372, 0.3150, 0.2794)
contains.

Yxy(40.5367, 0.3150, 0.2794)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.5367, 0.3150, 0.2794)

Conversions

Conversions Part 1

Format	Color
Hex	C69EC6
RGB	198, 158, 198
RGB Percent	78%, 62%, 78%
CMY	0.2237, 0.3803, 0.2235
CMYK	0.00, 0.20, 0.00, 0.22
HSL	300°, 26%, 70%
HSV	300°, 20%, 78%
XYZ	45.7017, 40.5367, 58.8464
YIQ	174.5200, 11.0000, 20.9200

Conversions

Conversions Part 2

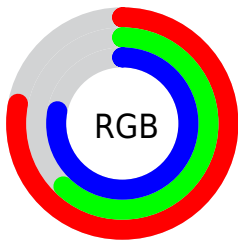
Format	Color
R _{YB}	198, 158, 198
Decimal	13016774
CIE Lab	69.85, 21.67, -14.89
CIE LCh	70, 26.294, 325.499
Yxy	40.5367, 0.3150, 0.2794
Android (android.graphics.Color)	4291206854 (0xFFC69EC6)
YUV	174.5200, 11.5756, 20.5920
Hunter-Lab	63.6684, 16.7090, -10.2317

Details

The Yxy color $40.5367, 0.3150, 0.2794$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $50.1372, 0.3102, 0.3841$, and the grayscale version is $42.5437, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.0685, 0.3146, 0.2881$, and $18.2510, 0.3157, 0.2656$ is the 20% darker color. If you saturate the color by 10%, you get $34.3148, 0.3161, 0.2547$, and if you desaturate by 10%, it is $47.8505, 0.3139, 0.3042$.

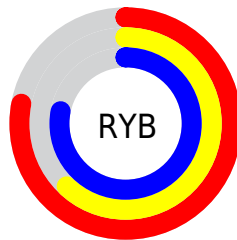
Distribution



Red (78%)

Green (62%)

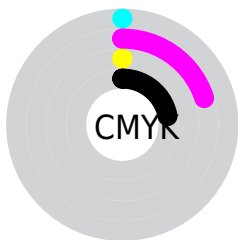
Blue (78%)



Red (78%)

Yellow (62%)

Blue (78%)

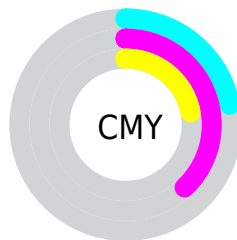


Cyan (0%)

Magenta (20%)

Yellow (0%)

Black (22%)



Cyan (22%)


Magenta (38%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5367, 0.3150, 0.2794 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 40.5367, 0.3150, 0.2794 by changing the saturation by 10% instead.


 40.5367, 0.3150,
0.2794


 40.5367, 0.3150,
0.2794


348.3805, 0.3142,
0.3038

 27.9572, 0.3151,
0.2734


 75.9801, 0.3148,
0.2882

 18.2934, 0.3151,
0.2659


 99.6128, 0.3147,
0.2915

 11.1609, 0.3150,
0.2559


127.6988, 0.3146,
0.2943

 6.1751, 0.3147,
0.2424

160.6223, 0.3145,
0.2967

 2.9519, 0.3138,
0.2227

198.7679, 0.3144,
0.2989

 1.1067, 0.3112,
0.1921

242.5198, 0.3144,

 0.0000, 0.3338,

0.3007

0.0000

292.2626, 0.3143,
0.3023

0.0000, 0.0000,
0.0000

40.5367, 0.3150,
0.2794

40.5367, 0.3150,
0.2794

34.3148, 0.3161,
0.2547

47.8505, 0.3139,
0.3042

29.1274, 0.3172,
0.2311

56.2995, 0.3127,
0.3285

24.9201, 0.3182,
0.2093

65.9309, 0.3117,
0.3518

21.6312, 0.3191,
0.1905

76.7880, 0.3107,
0.3736

19.1921, 0.3197,
0.1753

87.6139, 0.3098,
0.3919

■ 17.5247, 0.3202,
0.1642

■ 87.6170, 0.3098,
0.3919

■ 16.5363, 0.3205,
0.1574

■ 87.6201, 0.3098,
0.3919

■ 16.0534, 0.3206,
0.1540

■ 87.6232, 0.3098,
0.3919

■ 87.6263, 0.3099,
0.3919

Harmonies

Analogous

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



40.5367, 0.2781, 0.2673



40.5367, 0.3150, 0.2794



40.5367, 0.3534, 0.3028

Triad

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



40.5367, 0.3150, 0.2794



40.5367, 0.3756, 0.3886



40.5367, 0.2483, 0.3187

Complementary

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



40.5367, 0.3150, 0.2794



50.1372, 0.3102, 0.3841

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.



40.5367, 0.2717, 0.3563



40.5367, 0.3150, 0.2794



40.5367, 0.3449, 0.3983

Square

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



40.5367, 0.3150, 0.2794



40.5367, 0.3895, 0.3640



40.5367, 0.3068, 0.3868



40.5367, 0.2414, 0.2873

Rectangle

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



40.5367, 0.3150, 0.2794



40.5367, 0.3739, 0.3225



40.5367, 0.3068, 0.3868



40.5367, 0.2544, 0.3312

Sweetspot

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



40.5385, 0.3150, 0.2794



90.6203, 0.3134, 0.3143



36.0369, 0.2794, 0.2748



19.1878, 0.3135, 0.3127



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.



40.5385, 0.3150, 0.2794



66.9612, 0.3155, 0.2691



39.7089, 0.3326, 0.3027



10.8160, 0.3138, 0.3062



10.4392, 0.3206, 0.1540



0.4945, 0.3207, 0.1540

Inverse Universe

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



38.9380, 0.3524, 0.3291



63.6438, 0.3630, 0.3291



50.8514, 0.2967, 0.3569



10.6371, 0.3289, 0.3290



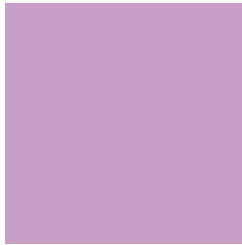
7.8081, 0.6399, 0.3299



0.3698, 0.6394, 0.3296

Previews

White Background



This preview shows how the Yxy color 40.5367, 0.3150, 0.2794 looks on a white background.

Color Contrast Check

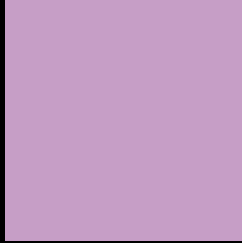
Large Text (above 18pt) WCAG AA × Fail

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 40.5367, 0.3150, 0.2794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

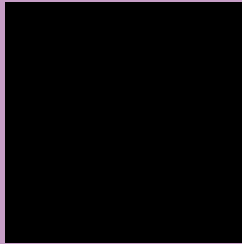
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.5367, 0.3150, 0.2794

Background



This preview shows how black text looks on a background with the Yxy color 40.5367, 0.3150, 0.2794.



This preview shows how white text looks on a background with the Yxy color 40.5367, 0.3150, 0.2794.

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

40.5367, 0.3150, 0.2794

Protanopia

40.6187, 0.2786, 0.2798

Deuteranopia

40.7369, 0.2959, 0.2908



Tritanopia

40.5379, 0.3325, 0.3123

Trichromacy



Original Color

40.5367, 0.3150, 0.2794

Protanomaly

40.4522, 0.2913, 0.2796

Deuteranomaly

40.6494, 0.3021, 0.2864

Tritanomaly

40.6444, 0.3263, 0.3010

Monochromacy



Original Color

40.5367, 0.3150, 0.2794

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

41.8621, 0.3136, 0.3106

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5367, 0.3150, 0.2794 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(198, 158, 198)` looks like.

```
.text, #text, p{  
    color:rgb(198, 158, 198)  
}
```

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(198, 158, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 158, 198) }
```

Border

The CSS property to change the border of an element to Yxy 40.5367, 0.3150, 0.2794 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(198, 158, 198) }
```

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

```
.border{ border-color:rgb(198, 158, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 158, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 158, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 158, 198);  
box-shadow:4px 4px 4px 4px rgb(198, 158,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5367, 0.3150, 0.2794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 158, 198) }
```

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

```
.background{ background-color: rgb(198,  
158, 198) }
```

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