

Converting Colors

$Y_{xy}(42.2149, 0.3171, 0.2754)$

Have a look what the booklet for
Yxy(42.2149, 0.3171, 0.2754)
contains.

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Color

Yxy(42.2777, 0.3171, 0.2750)

Conversions

Conversions Part 1

Format	Color
Hex	CE9FCC
RGB	206, 159, 204
RGB Percent	81%, 62%, 80%
CMY	0.1921, 0.3764, 0.2000
CMYK	0.00, 0.23, 0.01, 0.19
HSL	303°, 32%, 72%
HSV	303°, 23%, 81%
XYZ	48.7500, 42.2777, 62.7094
YIQ	178.1830, 13.5670, 23.9590

Conversions

Conversions Part 2

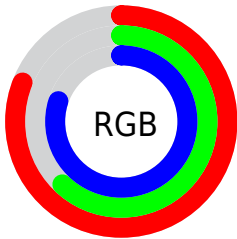
Format	Color
R _Y B	206, 159, 204
Decimal	13541324
CIE Lab	71.06, 24.97, -16.29
CIE LCh	71, 29.814, 326.873
Yxy	42.2777, 0.3171, 0.2750
Android (android.graphics.Color)	4291731404 (0xFFCE9FCC)
YUV	178.1830, 12.7278, 24.3955
Hunter-Lab	65.0213, 20.0439, -11.6669

Details

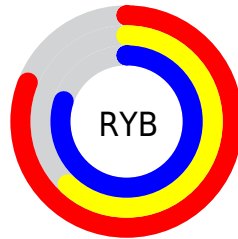
The Yxy color $42.2777, 0.3171, 0.2750$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $54.0899, 0.3084, 0.3897$, and the grayscale version is $44.5496, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.5731, 0.3146, 0.2891$, and $19.2967, 0.3172, 0.2602$ is the 20% darker color. If you saturate the color by 10%, you get $35.7325, 0.3192, 0.2513$, and if you desaturate by 10%, it is $50.0075, 0.3151, 0.2990$.

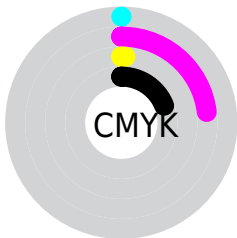
Distribution



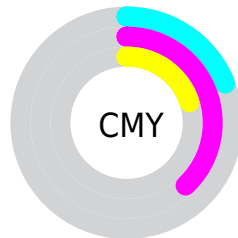
- Red (81%)
- Green (62%)
- Blue (80%)



- Red (81%)
- Yellow (62%)
- Blue (80%)



- Cyan (0%)
- Magenta (23%)
- Yellow (1%)
- Black (19%)



- Cyan (19%)
- Magenta (38%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2777, 0.3171, 0.2750 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 42.2777, 0.3171, 0.2750 by changing the saturation by 10% instead.


 42.2777, 0.3171,
0.2750

 42.2777, 0.3171,
0.2750


355.6328, 0.3154,
0.3013

 29.3188, 0.3174,
0.2687

 78.6197, 0.3166,
0.2844

 19.3221, 0.3177,
0.2607


 102.7717, 0.3163,
0.2879

 11.9033, 0.3180,
0.2503


131.4234, 0.3161,
0.2910

 6.6778, 0.3182,
0.2363

164.9593, 0.3159,
0.2936

 3.2615, 0.3179,
0.2164

203.7638, 0.3158,
0.2959

 1.2697, 0.3164,
0.1860

248.2213, 0.3156,

 0.1176, 0.3372,

0.2979

0.0550

298.7162, 0.3155,
0.2997

0.0000, 0.0000,
0.0000

42.2777, 0.3171,
0.2750

42.2777, 0.3171,
0.2750

35.7325, 0.3192,
0.2513

50.0075, 0.3151,
0.2990

30.3080, 0.3214,
0.2287

58.9708, 0.3132,
0.3225

25.9425, 0.3236,
0.2082

69.2205, 0.3115,
0.3451

22.5662, 0.3258,
0.1906

80.8048, 0.3100,
0.3664

20.1011, 0.3277,
0.1769

89.2164, 0.3089,
0.3793

■ 18.4572, 0.3295,
0.1674

■ 89.2602, 0.3084,
0.3783

■ 17.5265, 0.3310,
0.1621

■ 89.3042, 0.3079,
0.3774

■ 17.1612, 0.3320,
0.1603

■ 89.3484, 0.3074,
0.3764

■ 89.3928, 0.3069,
0.3754

Harmonies

Analogous

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



42.2777, 0.2757, 0.2609



42.2777, 0.3171, 0.2750



42.2777, 0.3600, 0.3012

Triad

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



42.2777, 0.3171, 0.2750



42.2777, 0.3815, 0.3962



42.2777, 0.2404, 0.3153

Complementary

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



42.2777, 0.3171, 0.2750



54.0899, 0.3084, 0.3897

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.



42.2777, 0.2653, 0.3577



42.2777, 0.3171, 0.2750



42.2777, 0.3465, 0.4068

Square

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



42.2777, 0.3171, 0.2750



42.2777, 0.3983, 0.3689



42.2777, 0.3038, 0.3930



42.2777, 0.2337, 0.2809

Rectangle

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



42.2777, 0.3171, 0.2750



42.2777, 0.3826, 0.3231



42.2777, 0.3038, 0.3930



42.2777, 0.2468, 0.3292

Sweetspot

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



42.2795, 0.3171, 0.2750



89.0860, 0.3140, 0.3126



36.7873, 0.2756, 0.2658



18.8771, 0.3141, 0.3111



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.



42.2795, 0.3171, 0.2750



63.4723, 0.3181, 0.2642



41.2542, 0.3380, 0.3019



11.3951, 0.3144, 0.3071



10.5707, 0.3319, 0.1602



0.5480, 0.3295, 0.1589

Inverse Universe

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



42.2795, 0.3171, 0.2750



63.4723, 0.3181, 0.2642



54.9796, 0.2931, 0.3579



11.3951, 0.3144, 0.3071



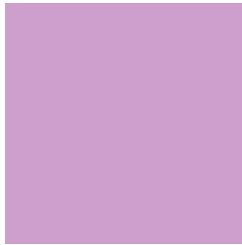
10.5707, 0.3319, 0.1602



0.5480, 0.3295, 0.1589

Previews

White Background



This preview shows how the Yxy color 42.2777, 0.3171, 0.2750 looks on a white background.

Color Contrast Check

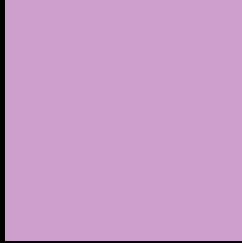
Large Text (above 18pt) WCAG AA × Fail

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 42.2777, 0.3171, 0.2750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

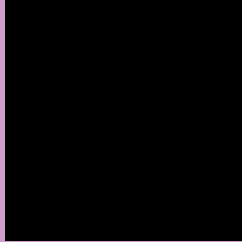
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.2777, 0.3171, 0.2750

Background



This preview shows how black text looks on a background with the Yxy color 42.2777, 0.3171, 0.2750.



This preview shows how white text looks on a background with the Yxy color 42.2777, 0.3171, 0.2750.

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

42.2777, 0.3171, 0.2750

Protanopia

42.6906, 0.2756, 0.2770

Deuteranopia

42.4787, 0.2939, 0.2877



Tritanopia

42.2818, 0.3370, 0.3127

Trichromacy



Original Color

42.2777, 0.3171, 0.2750

Protanomaly

42.3617, 0.2894, 0.2757

Deuteranomaly

42.2756, 0.3016, 0.2824

Tritanomaly

42.1250, 0.3291, 0.2980

Monochromacy



Original Color

42.2777, 0.3171, 0.2750

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

43.4050, 0.3146, 0.3084

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2777, 0.3171, 0.2750 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(206, 159, 204)` looks like.

```
.text, #text, p{  
    color:rgb(206, 159, 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(206, 159, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 159, 204) }
```

Border

The CSS property to change the border of an element to Yxy 42.2777, 0.3171, 0.2750 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(206, 159, 204) }
```

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

```
.border{ border-color:rgb(206, 159, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 159, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 159, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 159, 204);  
box-shadow:4px 4px 4px 4px rgb(206, 159,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2777, 0.3171, 0.2750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 159, 204) }
```

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

```
.background{ background-color: rgb(206,  
159, 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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