

Converting Colors

$Y_{xy}(27.7388, 0.4029, 0.3096)$

Have a look what the booklet for
Yxy(27.7388, 0.4029, 0.3096)
contains.

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Color

Yxy(27.7721, 0.4037, 0.3100)

Conversions

Conversions Part 1

Format	Color
Hex	CE7685
RGB	206, 118, 133
RGB Percent	81%, 46%, 52%
CMY	0.1922, 0.5372, 0.4784
CMYK	0.00, 0.43, 0.35, 0.19
HSL	350°, 47%, 64%
HSV	350°, 43%, 81%
XYZ	36.1664, 27.7721, 25.6489
YIQ	146.0220, 47.6330, 23.3210

Conversions

Conversions Part 2

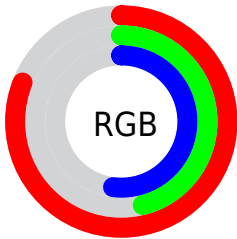
Format	Color
R _Y B	206, 118, 133
Decimal	13530757
CIE Lab	59.68, 36.10, 6.97
CIE LCh	60, 36.770, 10.924
Yxy	27.7721, 0.4037, 0.3100
Android (android.graphics.Color)	4291720837 (0xFFCE7685)
YUV	146.0220, -6.4198, 52.6007
Hunter-Lab	52.6992, 30.2773, 8.0328

Details

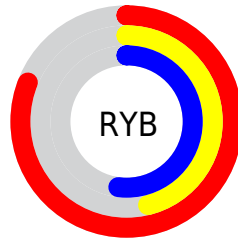
The Yxy color **27.7721, 0.4037, 0.3100** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **51.7560, 0.2633, 0.3499**, and the grayscale version is **28.7673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.3102, 0.3756, 0.3145**, and **11.0440, 0.4358, 0.3007** is the 20% darker color. If you saturate the color by 10%, you get **23.0053, 0.4381, 0.3062**, and if you desaturate by 10%, it is **33.6778, 0.3748, 0.3145**.

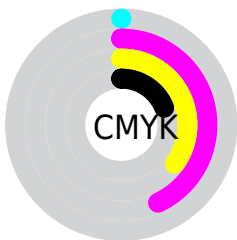
Distribution



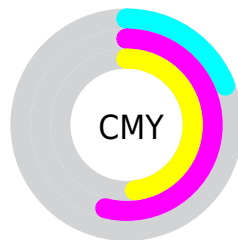
- Red (81%)
- Green (46%)
- Blue (52%)



- Red (81%)
- Yellow (46%)
- Blue (52%)



- Cyan (0%)
- Magenta (43%)
- Yellow (35%)
- Black (19%)





- Cyan (19%)
- Magenta (54%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7721, 0.4037, 0.3100 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 27.7721, 0.4037, 0.3100 by changing the saturation by 10% instead.


 27.7721, 0.4037,
0.3100


 27.7721, 0.4037,
0.3100


291.3763, 0.3540,
0.3212


 18.1539, 0.4176,
0.3065


 56.1204, 0.3846,
0.3145

 11.0606, 0.4365,
0.3016


 75.6193, 0.3777,
0.3161

 6.1076, 0.4633,
0.2941

 99.1806, 0.3720,
0.3174

 2.9106, 0.5042,
0.2818

127.1886, 0.3673,
0.3184

 1.0852, 0.5768,
0.2602

160.0278, 0.3632,
0.3193

 0.0000, 1.0000,
0.0000

198.0826, 0.3597,

 0.0000, 0.0000,

0.3200

0.0000

241.7373, 0.3567,
0.3207

■ 27.7721, 0.4037,
0.3100

■ 27.7721, 0.4037,
0.3100

■ 23.0053, 0.4381,
0.3062

■ 33.6778, 0.3748,
0.3145

■ 19.3000, 0.4776,
0.3038

■ 40.7853, 0.3511,
0.3191

■ 16.5755, 0.5200,
0.3036


■ 49.1575, 0.3319,
0.3236

■ 14.7376, 0.5614,
0.3062


■ 58.8518, 0.3164,
0.3279


■ 13.6736, 0.5965,
0.3119

■ 69.9223, 0.3039,
0.3319

 13.2441, 0.6162,
0.3168

 82.4198, 0.2937,
0.3355

 91.7095, 0.2850,
0.3314

 91.8619, 0.2838,
0.3289

Harmonies

Analogous

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



27.7721, 0.3475, 0.2698



27.7721, 0.4037, 0.3100



27.7721, 0.4330, 0.3565

Triad

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



27.7721, 0.4037, 0.3100



27.7721, 0.3303, 0.4374



27.7721, 0.2092, 0.2463

Complementary

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



27.7721, 0.4037, 0.3100



51.7560, 0.2633, 0.3499

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.



27.7721, 0.2057, 0.2827



27.7721, 0.4037, 0.3100



27.7721, 0.2720, 0.4012

Square

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



27.7721, 0.4037, 0.3100



27.7721, 0.3868, 0.4342



27.7721, 0.2273, 0.3400



27.7721, 0.2367, 0.2337

Rectangle

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



27.7721, 0.4037, 0.3100



27.7721, 0.4320, 0.3874



27.7721, 0.2273, 0.3400



27.7721, 0.2053, 0.2557

Sweetspot

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



27.7735, 0.4037, 0.3100



78.9968, 0.3327, 0.3234



28.3442, 0.3010, 0.2197



16.2252, 0.3367, 0.3224



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.



27.7735, 0.4037, 0.3100



38.0253, 0.4341, 0.3066



34.9476, 0.4071, 0.3649



11.2444, 0.3264, 0.3251



8.1651, 0.6132, 0.3152



0.4311, 0.5623, 0.2871

Inverse Universe

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



27.7735, 0.4037, 0.3100



38.0253, 0.4341, 0.3066



40.2026, 0.2485, 0.2890



11.2444, 0.3264, 0.3251



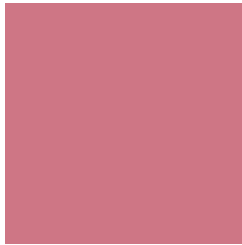
8.1651, 0.6132, 0.3152



0.4311, 0.5623, 0.2871

Previews

White Background



This preview shows how the Yxy color 27.7721, 0.4037, 0.3100 looks on a white background.

Color Contrast Check

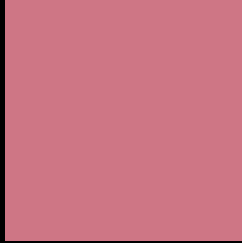
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7721, 0.4037, 0.3100 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 × Fail

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

Yxy 27.7721, 0.4037, 0.3100

Background



This preview shows how black text looks on a background with the Yxy color 27.7721, 0.4037, 0.3100.



This preview shows how white text looks on a background with the Yxy color 27.7721, 0.4037, 0.3100.

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

27.7721, 0.4037, 0.3100

Protanopia

27.8625, 0.3120, 0.3226

Deuteranopia

27.9427, 0.3514, 0.3445



Tritanopia

27.8740, 0.4098, 0.3177

Trichromacy



Original Color

27.7721, 0.4037, 0.3100

Protanomaly

27.3280, 0.3429, 0.3171

Deuteranomaly

27.4280, 0.3705, 0.3306

Tritanomaly

27.9272, 0.4072, 0.3152

Monochromacy



Original Color

27.7721, 0.4037, 0.3100

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

27.8562, 0.3436, 0.3216

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7721, 0.4037, 0.3100 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, 118, 133)` looks like.

```
.text, #text, p{  
    color:rgb(206, 118, 133)  
}
```

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, 118, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 118, 133) }
```

Border

The CSS property to change the border of an element to Yxy 27.7721, 0.4037, 0.3100 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, 118, 133) }
```

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

```
.border{ border-color:rgb(206, 118, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 118, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 118, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 118, 133);  
box-shadow:4px 4px 4px 4px rgb(206, 118,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7721, 0.4037, 0.3100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 118, 133) }
```

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

```
.background{ background-color: rgb(206,  
118, 133) }
```

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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