

Converting Colors

$Y_{xy}(21.9450, 0.4035, 0.2796)$

Have a look what the booklet for
Yxy(21.9450, 0.4035, 0.2796)
contains.

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Color

Yxy(21.8836, 0.4040, 0.2797)

Conversions

Conversions Part 1

Format	Color
Hex	C65F85
RGB	198, 95, 133
RGB Percent	78%, 37%, 52%
CMY	0.2236, 0.6273, 0.4784
CMYK	0.00, 0.52, 0.33, 0.22
HSL	338°, 47%, 57%
HSV	338°, 52%, 78%
XYZ	31.6088, 21.8836, 24.7472
YIQ	130.1290, 49.1900, 33.6540

Conversions

Conversions Part 2

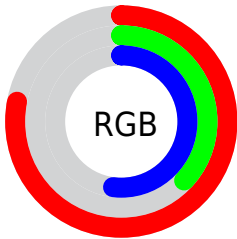
Format	Color
R_{YB}	198, 95, 133
Decimal	13000581
CIE _{Lab}	53.90, 45.10, -1.53
CIE _{LCh}	54, 45.131, 358.056
Yxy	21.8836, 0.4040, 0.2797
Android (android.graphics.Color)	4291190661 (0xFFC65F85)
YUV	130.1290, 1.4154, 59.5229
Hunter-Lab	46.7799, 38.7460, 1.3808

Details

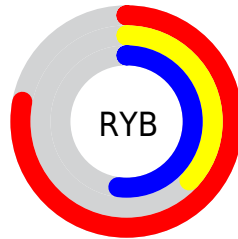
The Yxy color **21.8836, 0.4040, 0.2797** is a dark color, and the websafe version is hex **CC6699**. The color can be described as middle muted rose. A complement of this color would be **45.3477, 0.2672, 0.3877**, and the grayscale version is **22.3554, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.9850, 0.3822, 0.2896**, and **7.9587, 0.4385, 0.2602** is the 20% darker color. If you saturate the color by 10%, you get **18.4337, 0.4324, 0.2726**, and if you desaturate by 10%, it is **26.2830, 0.3793, 0.2886**.

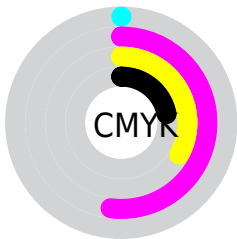
Distribution



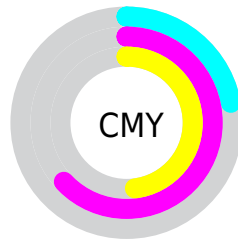
- Red (78%)
- Green (37%)
- Blue (52%)



- Red (78%)
- Yellow (37%)
- Blue (52%)



- Cyan (0%)
- Magenta (52%)
- Yellow (33%)
- Black (22%)





- Cyan (22%)
- Magenta (63%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8836, 0.4040, 0.2797 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 21.8836, 0.4040, 0.2797 by changing the saturation by 10% instead.


 21.8836, 0.4040,
0.2797


 21.8836, 0.4040,
0.2797


261.9378, 0.3530,
0.3071


 13.7714, 0.4188,
0.2718


 46.5535, 0.3840,
0.2904


 7.9618, 0.4392,
0.2611


 63.8801, 0.3770,
0.2941

 4.0705, 0.4691,
0.2454

 85.0468, 0.3712,
0.2973

 1.7131, 0.5165,
0.2209

 110.4382, 0.3663,
0.2999

 0.4321, 0.6281,
0.1592

140.4386, 0.3622,
0.3021

 0.0000, 1.0000,
0.0000

175.4324, 0.3587,

 0.0000, 0.0000,

0.3040

0.0000

215.8040, 0.3557,
0.3056

■ 21.8836, 0.4040,
0.2797

■ 21.8836, 0.4040,
0.2797

■ 18.4337, 0.4324,
0.2726

■ 26.2830, 0.3793,
0.2886

■ 15.8585, 0.4637,
0.2686

■ 31.6928, 0.3584,
0.2984

■ 14.0773, 0.4963,
0.2688

■ 38.1723, 0.3410,
0.3084

■ 12.9925, 0.5280,
0.2741

■ 45.7757, 0.3266,
0.3181

■ 12.4832, 0.5515,
0.2812

■ 54.5531, 0.3148,
0.3272

■ 64.5518, 0.3052,
0.3358

■ 75.8164, 0.2972,
0.3437

■ 88.3893, 0.2908,
0.3509

■ 90.1423, 0.2843,
0.3390

Harmonies

Analogous

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



21.8836, 0.3215, 0.2362



21.8836, 0.4040, 0.2797



21.8836, 0.4616, 0.3346

Triad

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



21.8836, 0.4040, 0.2797



21.8836, 0.3652, 0.4784



21.8836, 0.1753, 0.2362

Complementary

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



21.8836, 0.4040, 0.2797



45.3477, 0.2672, 0.3877

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.



21.8836, 0.1831, 0.2948



21.8836, 0.4040, 0.2797



21.8836, 0.2882, 0.4559

Square

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



21.8836, 0.4040, 0.2797



21.8836, 0.4324, 0.4481



21.8836, 0.2220, 0.3799



21.8836, 0.1966, 0.2100

Rectangle

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



21.8836, 0.4040, 0.2797



21.8836, 0.4732, 0.3739



21.8836, 0.2220, 0.3799



21.8836, 0.1745, 0.2520

Sweetspot

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



21.8847, 0.4040, 0.2797



75.1255, 0.3323, 0.3140



19.5862, 0.2745, 0.1888



15.4803, 0.3353, 0.3120



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.



21.8847, 0.4040, 0.2797



32.1647, 0.4352, 0.2721



23.3519, 0.4522, 0.3450



10.7005, 0.3233, 0.3205



8.1360, 0.5480, 0.2793



0.3992, 0.4906, 0.2477

Inverse Universe

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



21.8847, 0.4040, 0.2797



32.1647, 0.4352, 0.2721



41.6119, 0.2426, 0.3110



10.7005, 0.3233, 0.3205



8.1360, 0.5480, 0.2793



0.3992, 0.4906, 0.2477

Previews

White Background



This preview shows how the Yxy color 21.8836, 0.4040, 0.2797 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 21.8836, 0.4040, 0.2797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

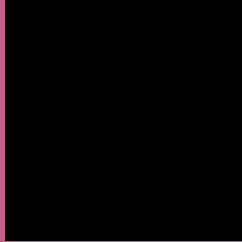
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8836, 0.4040, 0.2797

Background



This preview shows how black text looks on a background with the Yxy color 21.8836, 0.4040, 0.2797.



This preview shows how white text looks on a background with the Yxy color 21.8836, 0.4040, 0.2797.

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

21.8836, 0.4040, 0.2797

Protanopia

22.0565, 0.2818, 0.2842

Deuteranopia

21.9765, 0.3299, 0.3239



Tritanopia

21.9116, 0.4379, 0.3201

Trichromacy



Original Color

21.8836, 0.4040, 0.2797

Protanomaly

21.1454, 0.3212, 0.2807

Deuteranomaly

21.3277, 0.3554, 0.3038

Tritanomaly

21.8666, 0.4269, 0.3056

Monochromacy



Original Color

21.8836, 0.4040, 0.2797

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.3298, 0.3443, 0.3063

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8836, 0.4040, 0.2797 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, 95, 133)` looks like.

```
.text, #text, p{  
    color:rgb(198, 95, 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(198, 95, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 95, 133) }
```

Border

The CSS property to change the border of an element to Yxy 21.8836, 0.4040, 0.2797 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, 95, 133) }
```

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

```
.border{ border-color:rgb(198, 95, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 95, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 95, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 95, 133);  
box-shadow:4px 4px 4px 4px rgb(198, 95,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8836, 0.4040, 0.2797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 95, 133) }
```

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

```
.background{ background-color: rgb(198, 95,  
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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