

Converting Colors

$Y_{xy}(21.3462, 0.3526, 0.2195)$

Have a look what the booklet for
Yxy(21.3462, 0.3526, 0.2195)
contains.

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Color

Yxy(21.4830, 0.3523, 0.2197)

Conversions

Conversions Part 1

Format	Color
Hex	C853AD
RGB	200, 83, 173
RGB Percent	78%, 33%, 68%
CMY	0.2158, 0.6744, 0.3217
CMYK	0.00, 0.58, 0.14, 0.22
HSL	314°, 52%, 55%
HSV	314°, 58%, 78%
XYZ	34.4491, 21.4830, 41.8513
YIQ	128.2430, 40.8420, 52.7940

Conversions

Conversions Part 2

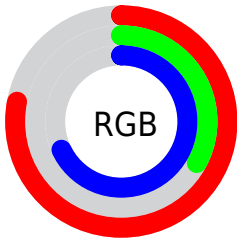
Format	Color
<code>RVB</code>	<code>200, 83, 173</code>
Decimal	<code>13128621</code>
CIELab	<code>53.47, 57.03, -25.63</code>
CIElCh	<code>53, 62.530, 335.799</code>
Yxy	<code>21.4830, 0.3523, 0.2197</code>
Android (<code>android.graphics.Color</code>)	<code>4291318701 (0xFFC853AD)</code>
YUV	<code>128.2430, 22.0652, 62.9309</code>
Hunter-Lab	<code>46.3498, 51.5566, -21.0908</code>

Details

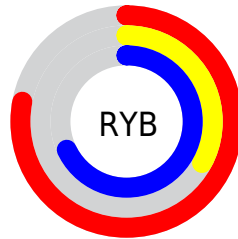
The Yxy color **21.4830, 0.3523, 0.2197** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted rose. A complement of this color would be **44.2663, 0.2901, 0.4750**, and the grayscale version is **21.5896, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.0941, 0.3411, 0.2386**, and **7.7320, 0.3638, 0.1877** is the 20% darker color. If you saturate the color by 10%, you get **18.6757, 0.3614, 0.2064**, and if you desaturate by 10%, it is **25.1810, 0.3437, 0.2361**.

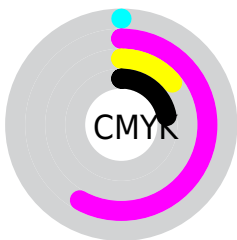
Distribution



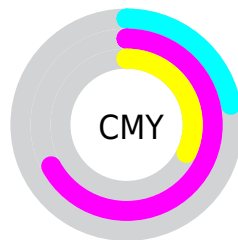
- Red (78%)
- Green (33%)
- Blue (68%)



- Red (78%)
- Yellow (33%)
- Blue (68%)



- Cyan (0%)
- Magenta (58%)
- Yellow (14%)
- Black (22%)





- Cyan (22%)
- Magenta (67%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4830, 0.3523, 0.2197 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 21.4830, 0.3523, 0.2197 by changing the saturation by 10% instead.


 21.4830, 0.3523,
0.2197


 21.4830, 0.3523,
0.2197


259.8343, 0.3326,
0.2755


 13.4775, 0.3571,
0.2056


 45.8900, 0.3452,
0.2401


 7.7582, 0.3631,
0.1876


 63.0603, 0.3425,
0.2478

 3.9406, 0.3707,
0.1639


 84.0544, 0.3402,
0.2542

 1.6404, 0.3805,
0.1316

 109.2565, 0.3383,
0.2597

 0.3846, 0.3989,
0.0720

139.0512, 0.3366,
0.2645

 0.0000, 0.4122,
0.0000

173.8228, 0.3351,

 0.0000, 0.0000,

0.2686

0.0000

213.9557, 0.3338,
0.2723

■ 21.4830, 0.3523,
0.2197

■ 21.4830, 0.3523,
0.2197

■ 18.6757, 0.3614,
0.2064

■ 25.1810, 0.3437,
0.2361

■ 16.6777, 0.3707,
0.1971

■ 29.8355, 0.3357,
0.2545

■ 15.3981, 0.3798,
0.1924

■ 35.5098, 0.3286,
0.2739

■ 14.6923, 0.3887,
0.1921

■ 42.2607, 0.3223,
0.2937

■ 14.6029, 0.3900,
0.1922

■ 50.1411, 0.3168,
0.3131

■ 59.2000, 0.3120,
0.3318

■ 69.4839, 0.3080,
0.3494

■ 81.0364, 0.3047,
0.3658

■ 88.6791, 0.3019,
0.3730

Harmonies

Analogous

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



21.4830, 0.2449, 0.1824



21.4830, 0.3523, 0.2197



21.4830, 0.4651, 0.2778

Triad

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



21.4830, 0.3523, 0.2197



21.4830, 0.4430, 0.4969



21.4830, 0.1373, 0.2521

Complementary

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



21.4830, 0.3523, 0.2197



44.2663, 0.2901, 0.4750

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.



21.4830, 0.1723, 0.3646



21.4830, 0.3523, 0.2197



21.4830, 0.3472, 0.5400

Square

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



21.4830, 0.3523, 0.2197



21.4830, 0.5125, 0.4215



21.4830, 0.2480, 0.4919



21.4830, 0.1390, 0.1912

Rectangle

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



21.4830, 0.3523, 0.2197



21.4830, 0.5147, 0.3230



21.4830, 0.2480, 0.4919



21.4830, 0.1445, 0.2840

Sweetspot

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



21.4840, 0.3523, 0.2197



73.4660, 0.3221, 0.2941



13.5721, 0.2206, 0.1516



14.9407, 0.3239, 0.2883



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.



21.4840, 0.3523, 0.2197



31.3417, 0.3637, 0.2037



19.7329, 0.4383, 0.2876



10.7731, 0.3172, 0.3114



9.3014, 0.3888, 0.1916



0.4509, 0.3719, 0.1822

Inverse Universe

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



21.4840, 0.3523, 0.2197



31.3417, 0.3637, 0.2037



45.9239, 0.2581, 0.3801



10.7731, 0.3172, 0.3114



9.3014, 0.3888, 0.1916



0.4509, 0.3719, 0.1822

Previews

White Background



This preview shows how the Yxy color 21.4830, 0.3523, 0.2197 looks on a white background.

Color Contrast Check

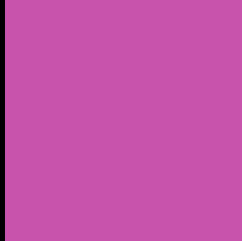
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4830, 0.3523, 0.2197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

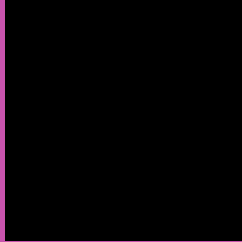
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.4830, 0.3523, 0.2197

Background



This preview shows how black text looks on a background with the Yxy color 21.4830, 0.3523, 0.2197.



This preview shows how white text looks on a background with the Yxy color 21.4830, 0.3523, 0.2197.

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

21.4830, 0.3523, 0.2197

Protanopia

21.9135, 0.2191, 0.2039

Deuteranopia

21.7398, 0.2676, 0.2617



Tritanopia

21.5133, 0.4343, 0.3199

Trichromacy



Original Color

21.4830, 0.3523, 0.2197



Protanomaly

20.1603, 0.2536, 0.2024



Deuteranomaly

20.5005, 0.2944, 0.2384



Tritanomaly

21.3799, 0.4050, 0.2805

Monochromacy



Original Color

21.4830, 0.3523, 0.2197



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

20.4720, 0.3278, 0.2778

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4830, 0.3523, 0.2197 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(200, 83, 173)` looks like.

```
.text, #text, p{  
    color:rgb(200, 83, 173)  
}
```

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(200, 83, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 83, 173) }
```

Border

The CSS property to change the border of an element to Yxy 21.4830, 0.3523, 0.2197 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(200, 83, 173) }
```

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

```
.border{ border-color:rgb(200, 83, 173) }
```

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

Here you see how a box with a 4 pixel rgb(200, 83, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 83, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 83, 173);  
box-shadow:4px 4px 4px 4px rgb(200, 83,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4830, 0.3523, 0.2197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 83, 173) }
```

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

```
.background{ background-color: rgb(200, 83,  
173) }
```

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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