

Converting Colors

$Y_{xy}(21.4513, 0.3892, 0.2507)$

Have a look what the booklet for
Yxy(21.4513, 0.3892, 0.2507)
contains.

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Color

Yxy(21.5220, 0.3894, 0.2510)

Conversions

Conversions Part 1

Format	Color
Hex	CB5695
RGB	203, 86, 149
RGB Percent	80%, 34%, 58%
CMY	0.2038, 0.6629, 0.4156
CMYK	0.00, 0.58, 0.27, 0.20
HSL	328°, 53%, 57%
HSV	328°, 58%, 80%
XYZ	33.3891, 21.5220, 30.8339
YIQ	128.1650, 49.5090, 44.3970

Conversions

Conversions Part 2

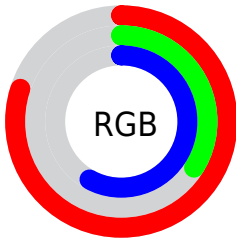
Format	Color
R_{YB}	203, 86, 149
Decimal	13325973
CIE _{Lab}	53.52, 53.16, -11.48
CIE _{LCh}	54, 54.385, 347.812
Yxy	21.5220, 0.3894, 0.2510
Android (android.graphics.Color)	4291516053 (0xFFCB5695)
YUV	128.1650, 10.2717, 65.6303
Hunter-Lab	46.3918, 47.2843, -6.9323

Details

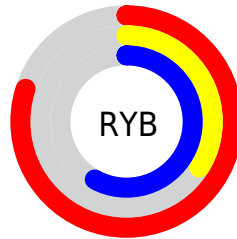
The Yxy color **21.5220, 0.3894, 0.2510** is a dark color, and the websafe version is hex **CC6699**. The color can be described as middle muted rose. A complement of this color would be **46.5989, 0.2752, 0.4285**, and the grayscale version is **21.5956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.6215, 0.3663, 0.2655**, and **7.8233, 0.4183, 0.2261** is the 20% darker color. If you saturate the color by 10%, you get **18.4423, 0.4099, 0.2417**, and if you desaturate by 10%, it is **25.5484, 0.3709, 0.2630**.

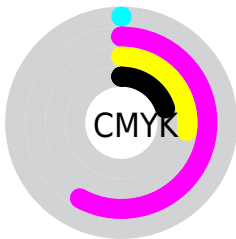
Distribution



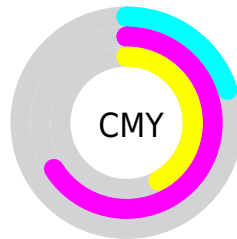
- Red (80%)
- Green (34%)
- Blue (58%)



- Red (80%)
- Yellow (34%)
- Blue (58%)



- Cyan (0%)
- Magenta (58%)
- Yellow (27%)
- Black (20%)





- Cyan (20%)
- Magenta (66%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5220, 0.3894, 0.2510 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 21.5220, 0.3894, 0.2510 by changing the saturation by 10% instead.


 21.5220, 0.3894,
0.2510


 21.5220, 0.3894,
0.2510


260.0398, 0.3476,
0.2925


 13.5061, 0.4011,
0.2399


 45.9547, 0.3733,
0.2666


 7.7780, 0.4170,
0.2251


 63.1403, 0.3675,
0.2723

 3.9532, 0.4396,
0.2047


 84.1512, 0.3627,
0.2771

 1.6474, 0.4741,
0.1750

 109.3718, 0.3587,
0.2811

 0.3893, 0.5453,
0.1079

139.1866, 0.3553,
0.2846

 0.0000, 0.9668,
0.0000

173.9800, 0.3524,

 0.0000, 0.0000,

0.2875

0.0000

214.1362, 0.3498,
0.2902

■ 21.5220, 0.3894,
0.2510

■ 21.5220, 0.3894,
0.2510

■ 18.4423, 0.4099,
0.2417

■ 25.5484, 0.3709,
0.2630

■ 16.2254, 0.4317,
0.2364

■ 30.5899, 0.3547,
0.2767

■ 14.7775, 0.4540,
0.2360

■ 36.7119, 0.3408,
0.2909

■ 13.9643, 0.4758,
0.2408

■ 43.9736, 0.3290,
0.3052

■ 13.8129, 0.4809,
0.2423

■ 52.4298, 0.3191,
0.3189

■ 62.1318, 0.3109,
0.3320

■ 73.1277, 0.3041,
0.3442

■ 85.4633, 0.2985,
0.3554

■ 90.1241, 0.2935,
0.3520

Harmonies

Analogous

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



21.5220, 0.2888, 0.2081



21.5220, 0.3894, 0.2510



21.5220, 0.4749, 0.3097

Triad

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



21.5220, 0.3894, 0.2510



21.5220, 0.4003, 0.4999



21.5220, 0.1517, 0.2358

Complementary

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



21.5220, 0.3894, 0.2510



46.5989, 0.2752, 0.4285

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.



21.5220, 0.1710, 0.3179



21.5220, 0.3894, 0.2510



21.5220, 0.3109, 0.5045

Square

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



21.5220, 0.3894, 0.2510



21.5220, 0.4725, 0.4441



21.5220, 0.2267, 0.4285



21.5220, 0.1651, 0.1953

Rectangle

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



21.5220, 0.3894, 0.2510



21.5220, 0.5020, 0.3533



21.5220, 0.2267, 0.4285



21.5220, 0.1543, 0.2583

Sweetspot

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



21.5231, 0.3894, 0.2510



74.1700, 0.3285, 0.3058



16.4237, 0.2482, 0.1650



15.3080, 0.3307, 0.3029



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.



21.5231, 0.3894, 0.2510



29.9075, 0.4147, 0.2401



20.1224, 0.4789, 0.3225



11.3130, 0.3207, 0.3166



8.8057, 0.4781, 0.2407



0.4695, 0.4392, 0.2193

Inverse Universe

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



21.5231, 0.3894, 0.2510



29.9075, 0.4147, 0.2401



48.7452, 0.2442, 0.3373



11.3130, 0.3207, 0.3166



8.8057, 0.4781, 0.2407



0.4695, 0.4392, 0.2193

Previews

White Background



This preview shows how the Yxy color 21.5220, 0.3894, 0.2510 looks on a white background.

Color Contrast Check

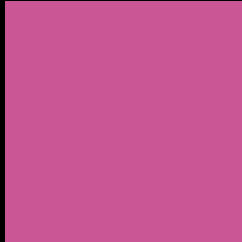
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5220, 0.3894, 0.2510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

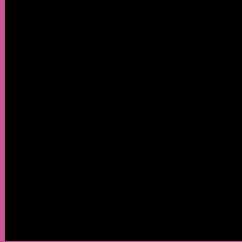
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5220, 0.3894, 0.2510

Background



This preview shows how black text looks on a background with the Yxy color 21.5220, 0.3894, 0.2510.



This preview shows how white text looks on a background with the Yxy color 21.5220, 0.3894, 0.2510.

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

21.5220, 0.3894, 0.2510

Protanopia

21.8638, 0.2514, 0.2461

Deuteranopia

21.7187, 0.3037, 0.2981



Tritanopia

21.4871, 0.4501, 0.3204

Trichromacy



Original Color

21.5220, 0.3894, 0.2510



Protanomaly

20.4894, 0.2920, 0.2430



Deuteranomaly

20.7841, 0.3330, 0.2758



Tritanomaly

21.2897, 0.4277, 0.2934

Monochromacy



Original Color

21.5220, 0.3894, 0.2510



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

20.5564, 0.3389, 0.2919

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5220, 0.3894, 0.2510 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(203, 86, 149)` looks like.

```
.text, #text, p{  
    color:rgb(203, 86, 149)  
}
```

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(203, 86, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 86, 149) }
```

Border

The CSS property to change the border of an element to Yxy 21.5220, 0.3894, 0.2510 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(203, 86, 149) }
```

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

```
.border{ border-color:rgb(203, 86, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 86, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 86, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 86, 149);  
box-shadow:4px 4px 4px 4px rgb(203, 86,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5220, 0.3894, 0.2510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 86, 149) }
```

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

```
.background{ background-color: rgb(203, 86,  
149) }
```

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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