

Converting Colors

$Y_{xy}(21.5855, 0.3333, 0.2046)$

Have a look what the booklet for
Yxy(21.5855, 0.3333, 0.2046)
contains.

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Color

Yxy(21.5855, 0.3333, 0.2046)

Conversions

Conversions Part 1

Format	Color
Hex	C652BA
RGB	198, 82, 186
RGB Percent	78%, 32%, 73%
CMY	0.2236, 0.6783, 0.2707
CMYK	0.00, 0.59, 0.06, 0.22
HSL	306°, 50%, 55%
HSV	306°, 59%, 78%
XYZ	35.1635, 21.5855, 48.7520
YIQ	128.5400, 35.7520, 56.9360

Conversions

Conversions Part 2

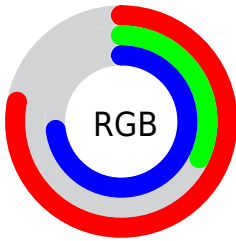
Format	Color
R_{YB}	198, 82, 186
Decimal	12997306
CIE _{Lab}	53.58, 59.01, -33.03
CIE _{LCh}	54, 67.623, 330.759
Yxy	21.5855, 0.3333, 0.2046
Android (android.graphics.Color)	4291187386 (0xFFC652BA)
YUV	128.5400, 28.3278, 60.9164
Hunter-Lab	46.4602, 53.7927, -29.6925

Details

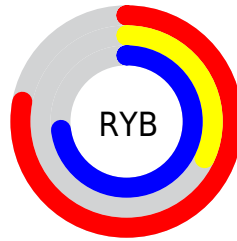
The Yxy color **21.5855, 0.3333, 0.2046** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted rose. A complement of this color would be **42.9854, 0.2980, 0.4985**, and the grayscale version is **21.6769, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5621, 0.3293, 0.2266**, and **7.7944, 0.3366, 0.1706** is the 20% darker color. If you saturate the color by 10%, you get **18.9314, 0.3374, 0.1897**, and if you desaturate by 10%, it is **25.1042, 0.3292, 0.2228**.

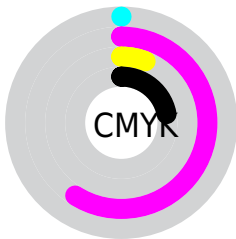
Distribution



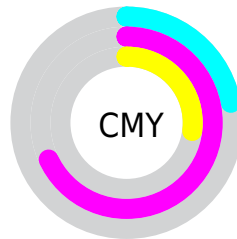
- Red (78%)
- Green (32%)
- Blue (73%)



- Red (78%)
- Yellow (32%)
- Blue (73%)



- Cyan (0%)
- Magenta (59%)
- Yellow (6%)
- Black (22%)





- Cyan (22%)
- Magenta (68%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5855, 0.3333, 0.2046 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 21.5855, 0.3333, 0.2046 by changing the saturation by 10% instead.


 21.5855, 0.3333,
0.2046


 21.5855, 0.3333,
0.2046


260.3739, 0.3247,
0.2669


 13.5527, 0.3347,
0.1894


 46.0600, 0.3307,
0.2271


 7.8102, 0.3361,
0.1702


 63.2704, 0.3295,
0.2356


 3.9737, 0.3370,
0.1454


 84.3087, 0.3285,
0.2428

 1.6589, 0.3363,
0.1131

 109.5595, 0.3276,
0.2490

 0.3968, 0.3350,
0.0593

 139.4069, 0.3268,
0.2544

 0.0000, 0.3160,
0.0000

174.2356, 0.3260,

 0.0000, 0.0000,

0.2591

0.0000

214.4298, 0.3253,
0.2632

■ 21.5855, 0.3333,
0.2046

■ 21.5855, 0.3333,
0.2046

■ 18.9314, 0.3374,
0.1897

■ 25.1042, 0.3292,
0.2228

■ 17.0624, 0.3413,
0.1789

■ 29.5518, 0.3253,
0.2434

■ 15.8900, 0.3451,
0.1724

■ 34.9899, 0.3216,
0.2654

■ 15.2703, 0.3485,
0.1699

■ 41.4740, 0.3182,
0.2879

■ 15.1971, 0.3490,
0.1696

■ 49.0556, 0.3151,
0.3104

■ 57.7826, 0.3123,
0.3320

■ 67.7003, 0.3099,
0.3526

■ 78.8513, 0.3079,
0.3719

■ 87.9042, 0.3062,
0.3846

Harmonies

Analogous

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



21.5855, 0.2243, 0.1701



21.5855, 0.3333, 0.2046



21.5855, 0.4586, 0.2622

Triad

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



21.5855, 0.3333, 0.2046



21.5855, 0.4635, 0.4920



21.5855, 0.1302, 0.2614

Complementary

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



21.5855, 0.3333, 0.2046



42.9854, 0.2980, 0.4985

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.



21.5855, 0.1729, 0.3914



21.5855, 0.3333, 0.2046



21.5855, 0.3641, 0.5533

Square

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



21.5855, 0.3333, 0.2046



21.5855, 0.5322, 0.4093



21.5855, 0.2583, 0.5244



21.5855, 0.1267, 0.1892

Rectangle

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



21.5855, 0.3333, 0.2046



21.5855, 0.5199, 0.3081



21.5855, 0.2583, 0.5244



21.5855, 0.1395, 0.2987

Sweetspot

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



21.5865, 0.3333, 0.2046



73.8275, 0.3181, 0.2886



12.4751, 0.2089, 0.1465



15.0300, 0.3190, 0.2819



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.



21.5865, 0.3333, 0.2046



32.5838, 0.3384, 0.1866



19.6118, 0.4164, 0.2702



10.7970, 0.3153, 0.3085



9.8921, 0.3486, 0.1694



0.4740, 0.3421, 0.1658

Inverse Universe

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



21.5865, 0.3333, 0.2046



32.5838, 0.3384, 0.1866



44.4305, 0.2657, 0.4028



10.7970, 0.3153, 0.3085



9.8921, 0.3486, 0.1694



0.4740, 0.3421, 0.1658

Previews

White Background



This preview shows how the Yxy color 21.5855, 0.3333, 0.2046 looks on a white background.

Color Contrast Check

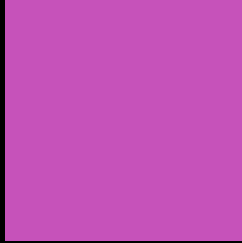
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5855, 0.3333, 0.2046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

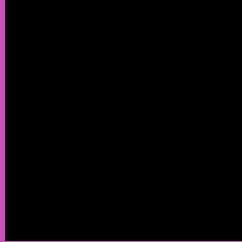
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5855, 0.3333, 0.2046

Background



This preview shows how black text looks on a background with the Yxy color 21.5855, 0.3333, 0.2046.



This preview shows how white text looks on a background with the Yxy color 21.5855, 0.3333, 0.2046.

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

21.5855, 0.3333, 0.2046

Protanopia

21.9262, 0.2049, 0.1841

Deuteranopia

21.8378, 0.2498, 0.2445



Tritanopia

21.4473, 0.4237, 0.3183

Trichromacy



Original Color

21.5855, 0.3333, 0.2046



Protanomaly

20.0260, 0.2354, 0.1834



Deuteranomaly

20.5447, 0.2748, 0.2227



Tritanomaly

21.2259, 0.3891, 0.2715

Monochromacy



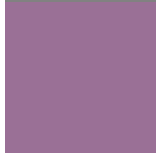
Original Color

21.5855, 0.3333, 0.2046



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

20.6604, 0.3205, 0.2689

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5855, 0.3333, 0.2046 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, 82, 186)` looks like.

```
.text, #text, p{  
    color:rgb(198, 82, 186)  
}
```

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, 82, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 82, 186) }
```

Border

The CSS property to change the border of an element to Yxy 21.5855, 0.3333, 0.2046 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, 82, 186) }
```

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

```
.border{ border-color:rgb(198, 82, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 82, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 82, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 82, 186);  
box-shadow:4px 4px 4px 4px rgb(198, 82,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5855, 0.3333, 0.2046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 82, 186) }
```

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

```
.background{ background-color: rgb(198, 82,  
186) }
```

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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