

Converting Colors

$Y_{xy}(25.8740, 0.3199, 0.2120)$

Have a look what the booklet for
Yxy(25.8740, 0.3199, 0.2120)
contains.

Yxy(25.8484, 0.3204, 0.2121)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(25.8484, 0.3204, 0.2121)

Conversions

Conversions Part 1

Format	Color
Hex	C965C7
RGB	201, 101, 199
RGB Percent	79%, 40%, 78%
CMY	0.2118, 0.6039, 0.2195
CMYK	0.00, 0.50, 0.01, 0.21
HSL	301°, 48%, 59%
HSV	301°, 50%, 79%
XYZ	39.0468, 25.8484, 56.9737
YIQ	142.0720, 28.1420, 51.6780

Conversions

Conversions Part 2

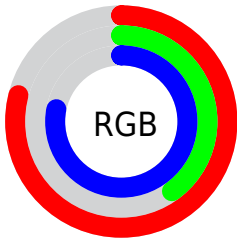
Format	Color
RYB	201, 101, 199
Decimal	13198791
CIELab	57.89, 53.19, -33.76
CIElCh	58, 63.001, 327.595
Yxy	25.8484, 0.3204, 0.2121
Android (android.graphics.Color)	4291388871 (0xFFC965C7)
YUV	142.0720, 28.0655, 51.6799
Hunter-Lab	50.8413, 48.1180, -30.8525

Details

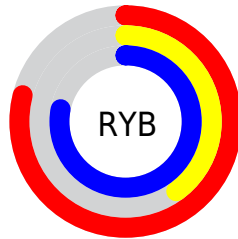
The Yxy color **25.8484, 0.3204, 0.2121** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **45.5098, 0.3043, 0.4826**, and the grayscale version is **26.9607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9227, 0.3173, 0.2320**, and **10.0971, 0.3196, 0.1813** is the 20% darker color. If you saturate the color by 10%, you get **22.3934, 0.3219, 0.1933**, and if you desaturate by 10%, it is **30.2600, 0.3188, 0.2337**.

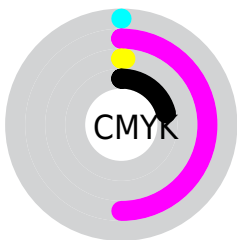
Distribution



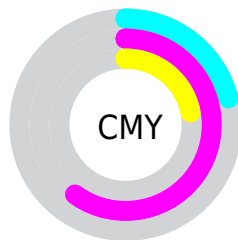
- Red (79%)
- Green (40%)
- Blue (78%)



- Red (79%)
- Yellow (40%)
- Blue (78%)



- Cyan (0%)
- Magenta (50%)
- Yellow (1%)
- Black (21%)





- Cyan (21%)
- Magenta (60%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.8484, 0.3204, 0.2121 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 25.8484, 0.3204, 0.2121 by changing the saturation by 10% instead.


 25.8484, 0.3204,
0.2121


 25.8484, 0.3204,
0.2121


282.0371, 0.3186,
0.2696


 16.7103, 0.3202,
0.1983


 53.0303, 0.3202,
0.2326


 10.0281, 0.3194,
0.1810


 71.8428, 0.3200,
0.2405

 5.4176, 0.3177,
0.1589


 94.6489, 0.3198,
0.2471

 2.4943, 0.3138,
0.1301

 121.8330, 0.3195,
0.2529

 0.8738, 0.3048,
0.0920

153.7795, 0.3193,
0.2579

 0.0000, 0.2958,
0.0000

190.8727, 0.3190,


 0.0000, 0.0265,


0.2622

0.0000

233.4971, 0.3188,
0.2661

 0.0000, 0.0000,
0.0000


 25.8484, 0.3204,
0.2121


 25.8484, 0.3204,
0.2121


 22.3934, 0.3219,
0.1933


 30.2600, 0.3188,
0.2337


 19.8207, 0.3232,
0.1781


 35.6882, 0.3172,
0.2571


 18.0509, 0.3243,
0.1671

 42.1926, 0.3157,
0.2814

 16.9886, 0.3252,
0.1603


 49.8268, 0.3141,
0.3058


 16.4592, 0.3259,
0.1570

 58.6410, 0.3127,
0.3296

 16.4473, 0.3259,
0.1569

 68.6824, 0.3113,
0.3524

 79.9955, 0.3101,
0.3737

 88.2070, 0.3093,
0.3868

 88.2257, 0.3091,
0.3864

Harmonies

Analogous

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



25.8484, 0.2258, 0.1826



25.8484, 0.3204, 0.2121



25.8484, 0.4307, 0.2638

Triad

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



25.8484, 0.3204, 0.2121



25.8484, 0.4606, 0.4727



25.8484, 0.1500, 0.2813

Complementary

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



25.8484, 0.3204, 0.2121



45.5098, 0.3043, 0.4826

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.



25.8484, 0.1953, 0.3979



25.8484, 0.3204, 0.2121



25.8484, 0.3739, 0.5248

Square

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



25.8484, 0.3204, 0.2121



25.8484, 0.5141, 0.3998



25.8484, 0.2772, 0.5046



25.8484, 0.1421, 0.2092

Rectangle

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



25.8484, 0.3204, 0.2121



25.8484, 0.4887, 0.3062



25.8484, 0.2772, 0.5046



25.8484, 0.1606, 0.3163

Sweetspot

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



25.8496, 0.3204, 0.2121



77.9287, 0.3150, 0.2925



16.3917, 0.2197, 0.1735



16.0958, 0.3153, 0.2873



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.



25.8496, 0.3204, 0.2121



37.7908, 0.3220, 0.1915



23.9058, 0.3821, 0.2672



10.8129, 0.3141, 0.3067



10.3456, 0.3258, 0.1569



0.4910, 0.3247, 0.1563

Inverse Universe

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



25.8496, 0.3204, 0.2121



37.7908, 0.3220, 0.1915



46.8198, 0.2753, 0.4031



10.8129, 0.3141, 0.3067



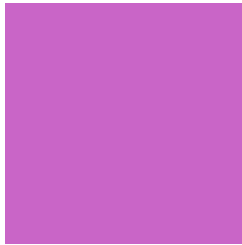
10.3456, 0.3258, 0.1569



0.4910, 0.3247, 0.1563

Previews

White Background



This preview shows how the Yxy color 25.8484, 0.3204, 0.2121 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 25.8484, 0.3204, 0.2121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

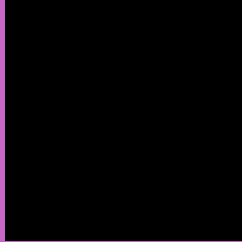
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.8484, 0.3204, 0.2121

Background



This preview shows how black text looks on a background with the Yxy color 25.8484, 0.3204, 0.2121.



This preview shows how white text looks on a background with the Yxy color 25.8484, 0.3204, 0.2121.

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

25.8484, 0.3204, 0.2121

Protanopia

26.3732, 0.2154, 0.1988

Deuteranopia

26.1648, 0.2499, 0.2445



Tritanopia

25.6956, 0.3952, 0.3169

Trichromacy



Original Color

25.8484, 0.3204, 0.2121



Protanomaly

24.8805, 0.2432, 0.1994



Deuteranomaly

25.1867, 0.2721, 0.2289



Tritanomaly

25.4904, 0.3669, 0.2747

Monochromacy



Original Color

25.8484, 0.3204, 0.2121



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

25.6096, 0.3152, 0.2755

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8484, 0.3204, 0.2121 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(201, 101, 199)` looks like.

```
.text, #text, p{  
    color:rgb(201, 101, 199)  
}
```

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(201, 101, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 101, 199) }
```

Border

The CSS property to change the border of an element to Yxy 25.8484, 0.3204, 0.2121 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(201, 101, 199) }
```

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

```
.border{ border-color:rgb(201, 101, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 101, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 101, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 101, 199);  
box-shadow:4px 4px 4px 4px rgb(201, 101,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8484, 0.3204, 0.2121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 101, 199) }
```

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

```
.background{ background-color: rgb(201,  
101, 199) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor