

Converting Colors

$Y_{xy}(11.5015, 0.4342, 0.1922)$

Have a look what the booklet for
Yxy(11.5015, 0.4342, 0.1922)
contains.

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Color

Yxy(13.3745, 0.4272, 0.2127)

Conversions

Conversions Part 1

Format	Color
Hex	C40083
RGB	196, 0, 131
RGB Percent	77%, 0%, 51%
CMY	0.2314, 0.9999, 0.4862
CMYK	0.00, 1.00, 0.33, 0.23
HSL	320°, 100%, 38%
HSV	320°, 100%, 77%
XYZ	26.8622, 13.3745, 22.6430
YIQ	73.5380, 74.7650, 82.2930

Conversions

Conversions Part 2

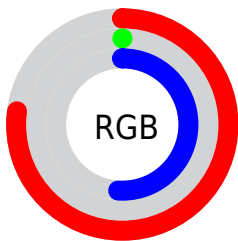
Format	Color
RYB	196, 0, 131
Decimal	12845187
CIELab	43.32, 72.42, -16.21
CIELCh	43, 74.217, 347.383
Yxy	13.3745, 0.4272, 0.2127
Android (android.graphics.Color)	4291035267 (0xFFC40083)
YUV	73.5380, 28.3288, 107.3992
Hunter-Lab	36.5712, 67.1120, -11.1095

Details

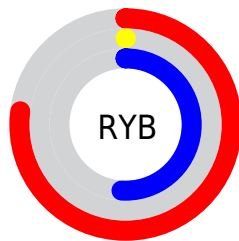
The Yxy color **13.3745, 0.4272, 0.2127** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **39.8614, 0.2868, 0.5524**, and the grayscale version is **6.7043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5371, 0.3994, 0.2363**, and **5.9124, 0.4536, 0.2272** is the 20% darker color. If you saturate the color by 10%, you get **13.3744, 0.4272, 0.2127**, and if you desaturate by 10%, it is **14.0437, 0.4131, 0.2105**.

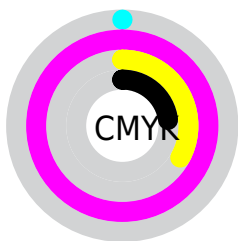
Distribution



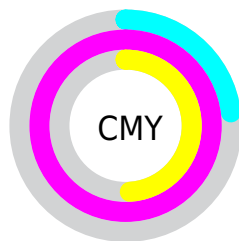
- Red (77%)
- Green (0%)
- Blue (51%)



- Red (77%)
- Yellow (0%)
- Blue (51%)



- Cyan (0%)
- Magenta (100%)
- Yellow (33%)
- Black (23%)





- Cyan (23%)
- Magenta (100%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3745, 0.4272, 0.2127 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 13.3745, 0.4272, 0.2127 by changing the saturation by 10% instead.


 13.3745, 0.4272,
0.2127

 13.3745, 0.4272,
0.2127


 213.3040, 0.3619,
0.2765

 7.6869, 0.4466,
0.1950


 31.9750, 0.4013,
0.2372


 3.8953, 0.4736,
0.1714


 45.6567, 0.3922,
0.2460


 1.6152, 0.5133,
0.1387


 62.7718, 0.3848,
0.2533

 0.3678, 0.5868,
0.0752

 83.7049, 0.3787,
0.2595

 0.0000, 0.7677,
0.0000

 108.8403, 0.3735,
0.2647

 0.0000, 1.0000,
0.0000

 138.5623, 0.3691,

 0.0000, 0.0000,

0.2692

0.0000

173.2555, 0.3652,
0.2731

■ 13.3745, 0.4272,
0.2127

■ 13.3745, 0.4272,
0.2127

■ 13.3744, 0.4272,
0.2127

■ 14.0437, 0.4131,
0.2105

■ 15.2155, 0.3987,
0.2126

■ 17.0642, 0.3843,
0.2196

■ 19.6798, 0.3704,
0.2307

■ 23.1385, 0.3576,
0.2448

■ 27.5072, 0.3459,
0.2610

■ 32.8460, 0.3357,
0.2782

■ 39.2099, 0.3268,
0.2956

■ 46.6497, 0.3191,
0.3127

Harmonies

Analogous

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



13.3745, 0.2692, 0.1585



13.3745, 0.4272, 0.2127



13.3745, 0.5651, 0.2855

Triad

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



13.3745, 0.4272, 0.2127



13.3745, 0.4151, 0.5733



13.3745, 0.0909, 0.1844

Complementary

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



13.3745, 0.4272, 0.2127



39.8614, 0.2868, 0.5524

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.



13.3745, 0.1082, 0.3011



13.3745, 0.4272, 0.2127



13.3745, 0.2879, 0.6228

Square

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



13.3745, 0.4272, 0.2127



13.3745, 0.5304, 0.4641



13.3745, 0.1751, 0.5003



13.3745, 0.1084, 0.1388

Rectangle

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



13.3745, 0.4272, 0.2127



13.3745, 0.5980, 0.3376



13.3745, 0.1751, 0.5003



13.3745, 0.0923, 0.2133

Sweetspot

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



13.3752, 0.4272, 0.2127



58.9926, 0.3361, 0.2774



5.0129, 0.1720, 0.0721



11.7010, 0.3404, 0.2699



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.



13.3752, 0.4272, 0.2127



24.1790, 0.4293, 0.2138



11.8633, 0.6125, 0.3148



10.1889, 0.3187, 0.3137



8.6102, 0.4253, 0.2117



0.3843, 0.3965, 0.1958

Inverse Universe

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



13.3752, 0.4272, 0.2127



24.1790, 0.4293, 0.2138



42.0201, 0.2413, 0.3886



10.1889, 0.3187, 0.3137



8.6102, 0.4253, 0.2117



0.3843, 0.3965, 0.1958

Previews

White Background



This preview shows how the Yxy color 13.3745, 0.4272, 0.2127 looks on a white 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

Black Background



This preview shows how the Yxy color 13.3745, 0.4272, 0.2127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

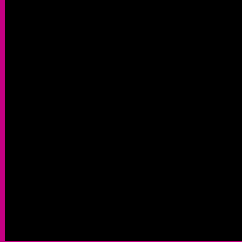
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3745, 0.4272, 0.2127

Background



This preview shows how black text looks on a background with the Yxy color 13.3745, 0.4272, 0.2127.



This preview shows how white text looks on a background with the Yxy color 13.3745, 0.4272, 0.2127.

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

13.3745, 0.4272, 0.2127

Protanopia

14.1806, 0.2006, 0.1797

Deuteranopia

13.9721, 0.2927, 0.2878



Tritanopia

13.7987, 0.5553, 0.3278

Trichromacy



Original Color

13.3745, 0.4272, 0.2127



Protanomaly

10.0154, 0.2459, 0.1584



Deuteranomaly

10.7502, 0.3411, 0.2258



Tritanomaly

13.0344, 0.5194, 0.2814

Monochromacy



Original Color

13.3745, 0.4272, 0.2127



Achromatopsia

6.8478, 0.3127, 0.3290



Achromatomaly

6.7108, 0.3661, 0.2328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3745, 0.4272, 0.2127 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(196, 0, 131)` looks like.

```
.text, #text, p{  
    color:rgb(196, 0, 131)  
}
```

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(196, 0, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 0, 131) }
```

Border

The CSS property to change the border of an element to Yxy 13.3745, 0.4272, 0.2127 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(196, 0, 131) }
```

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

```
.border{ border-color:rgb(196, 0, 131) }
```

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

Here you see how a box with a 4 pixel rgb(196, 0, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 0, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 0, 131);  
box-shadow:4px 4px 4px 4px rgb(196, 0,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3745, 0.4272, 0.2127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 0, 131) }
```

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

```
.background{ background-color: rgb(196, 0,  
131) }
```

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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