

Converting Colors

$Y_{xy}(21.3245, 0.3767, 0.2351)$

Have a look what the booklet for
Yxy(21.3245, 0.3767, 0.2351)
contains.

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Color

Yxy(21.3752, 0.3769, 0.2357)

Conversions

Conversions Part 1

Format	Color
Hex	CC529F
RGB	204, 82, 159
RGB Percent	80%, 32%, 62%
CMY	0.2000, 0.6785, 0.3764
CMYK	0.00, 0.60, 0.22, 0.20
HSL	322°, 54%, 56%
HSV	322°, 60%, 80%
XYZ	34.1804, 21.3752, 35.1326
YIQ	127.2560, 47.9950, 49.8110

Conversions

Conversions Part 2

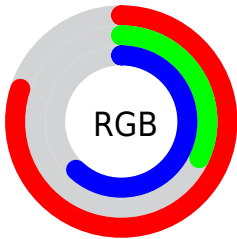
Format	Color
R_{YB}	204, 82, 159
Decimal	13390495
CIE _{Lab}	53.36, 56.61, -17.59
CIE _{LCh}	53, 59.278, 342.734
Yxy	21.3752, 0.3769, 0.2357
Android (android.graphics.Color)	4291580575 (0xFFCC529F)
YUV	127.2560, 15.6498, 67.3045
Hunter-Lab	46.2333, 51.0570, -12.6910

Details

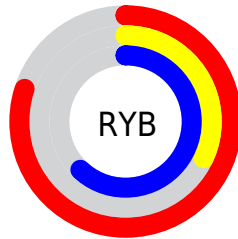
The Yxy color **21.3752, 0.3769, 0.2357** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **46.5163, 0.2808, 0.4518**, and the grayscale version is **21.2488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.0064, 0.3558, 0.2512**, and **7.6383, 0.3985, 0.2065** is the 20% darker color. If you saturate the color by 10%, you get **18.4904, 0.3927, 0.2253**, and if you desaturate by 10%, it is **25.1924, 0.3623, 0.2492**.

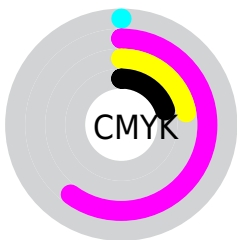
Distribution



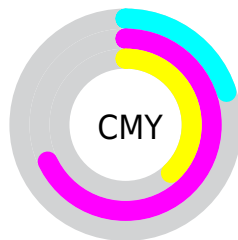
- Red (80%)
- Green (32%)
- Blue (62%)



- Red (80%)
- Yellow (32%)
- Blue (62%)



- Cyan (0%)
- Magenta (60%)
- Yellow (22%)
- Black (20%)





- Cyan (20%)
- Magenta (68%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3752, 0.3769, 0.2357 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 21.3752, 0.3769, 0.2357 by changing the saturation by 10% instead.


 21.3752, 0.3769,
0.2357


 21.3752, 0.3769,
0.2357


259.2658, 0.3427,
0.2843


 13.3985, 0.3861,
0.2230


 45.7111, 0.3640,
0.2538

 7.7036, 0.3983,
0.2065


 62.8392, 0.3593,
0.2605


 3.9058, 0.4153,
0.1842


 83.7865, 0.3554,
0.2661

 1.6210, 0.4402,
0.1528

 108.9375, 0.3520,
0.2708

 0.3717, 0.4900,
0.0872

 138.6765, 0.3492,
0.2749

 0.0000, 0.6140,
0.0000

173.3880, 0.3468,

 0.0000, 0.0000,

0.2785

0.0000

213.4563, 0.3446,
0.2816

■ 21.3752, 0.3769,
0.2357

■ 21.3752, 0.3769,
0.2357

■ 18.4904, 0.3927,
0.2253

■ 25.1924, 0.3623,
0.2492

■ 16.4507, 0.4092,
0.2190

■ 30.0126, 0.3493,
0.2647

■ 15.1579, 0.4258,
0.2177

■ 35.9032, 0.3378,
0.2810

■ 14.4303, 0.4420,
0.2210

■ 42.9249, 0.3280,
0.2976

■ 14.4181, 0.4424,
0.2210

■ 51.1337, 0.3196,
0.3138

■ 60.5820, 0.3126,
0.3293

■ 71.3189, 0.3067,
0.3438

■ 83.3910, 0.3018,
0.3573

■ 89.8896, 0.2976,
0.3592

Harmonies

Analogous

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



21.3752, 0.2694, 0.1941



21.3752, 0.3769, 0.2357



21.3752, 0.4773, 0.2954

Triad

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



21.3752, 0.3769, 0.2357



21.3752, 0.4195, 0.5047



21.3752, 0.1414, 0.2386

Complementary

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



21.3752, 0.3769, 0.2357



46.5163, 0.2808, 0.4518

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.



21.3752, 0.1671, 0.3350



21.3752, 0.3769, 0.2357



21.3752, 0.3249, 0.5274

Square

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



21.3752, 0.3769, 0.2357



21.3752, 0.4933, 0.4372



21.3752, 0.2321, 0.4583



21.3752, 0.1502, 0.1896

Rectangle

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



21.3752, 0.3769, 0.2357



21.3752, 0.5141, 0.3405



21.3752, 0.2321, 0.4583



21.3752, 0.1458, 0.2653

Sweetspot

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



21.3763, 0.3769, 0.2357



73.0874, 0.3266, 0.3002



14.8853, 0.2349, 0.1545



14.8477, 0.3293, 0.2954



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.



21.3763, 0.3769, 0.2357



29.4181, 0.3978, 0.2228



19.7593, 0.4728, 0.3100



11.3308, 0.3193, 0.3145



9.0923, 0.4402, 0.2198



0.4834, 0.4110, 0.2038

Inverse Universe

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



21.3763, 0.3769, 0.2357



29.4181, 0.3978, 0.2228



48.6041, 0.2477, 0.3529



11.3308, 0.3193, 0.3145



9.0923, 0.4402, 0.2198



0.4834, 0.4110, 0.2038

Previews

White Background



This preview shows how the Yxy color 21.3752, 0.3769, 0.2357 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 21.3752, 0.3769, 0.2357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

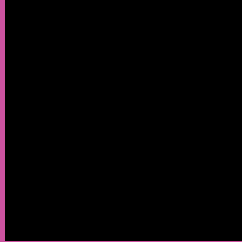
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3752, 0.3769, 0.2357

Background



This preview shows how black text looks on a background with the Yxy color 21.3752, 0.3769, 0.2357.



This preview shows how white text looks on a background with the Yxy color 21.3752, 0.3769, 0.2357.

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

21.3752, 0.3769, 0.2357

Protanopia

21.7307, 0.2341, 0.2231

Deuteranopia

21.5234, 0.2877, 0.2827



Tritanopia

21.4672, 0.4516, 0.3217

Trichromacy



Original Color

21.3752, 0.3769, 0.2357



Protanomaly

20.1099, 0.2735, 0.2218



Deuteranomaly

20.3718, 0.3173, 0.2576



Tritanomaly

21.3297, 0.4248, 0.2885

Monochromacy



Original Color

21.3752, 0.3769, 0.2357



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

20.2015, 0.3355, 0.2840

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3752, 0.3769, 0.2357 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(204, 82, 159)` looks like.

```
.text, #text, p{  
    color:rgb(204, 82, 159)  
}
```

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(204, 82, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 82, 159) }
```

Border

The CSS property to change the border of an element to Yxy 21.3752, 0.3769, 0.2357 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(204, 82, 159) }
```

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

```
.border{ border-color:rgb(204, 82, 159) }
```

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

Here you see how a box with a 4 pixel rgb(204, 82, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 82, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 82, 159);  
box-shadow:4px 4px 4px 4px rgb(204, 82,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3752, 0.3769, 0.2357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 82, 159) }
```

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

```
.background{ background-color: rgb(204, 82,  
159) }
```

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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