

Converting Colors

$Y_{xy}(20.2338, 0.4074, 0.2120)$

Have a look what the booklet for
Yxy(20.2338, 0.4074, 0.2120)
contains.

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Color

Yxy(20.2370, 0.4069, 0.2115)

Conversions

Conversions Part 1

Format	Color
Hex	E324A3
RGB	227, 36, 163
RGB Percent	89%, 14%, 64%
CMY	0.1096, 0.8593, 0.3607
CMYK	0.00, 0.84, 0.28, 0.11
HSL	320°, 77%, 52%
HSV	320°, 84%, 89%
XYZ	38.9335, 20.2370, 36.5127
YIQ	107.5870, 73.0690, 79.9890

Conversions

Conversions Part 2

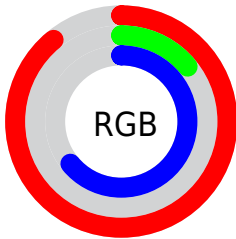
Format	Color
RYB	227, 36, 163
Decimal	14886051
CIELab	52.10, 77.78, -21.53
CIElCh	52, 80.706, 344.529
Yxy	20.2370, 0.4069, 0.2115
Android (android.graphics.Color)	4293076131 (0xFFE324A3)
YUV	107.5870, 27.3186, 104.7252
Hunter-Lab	44.9856, 75.7611, -16.6331

Details

The Yxy color **20.2370, 0.4069, 0.2115** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **56.2572, 0.2823, 0.5207**, and the grayscale version is **14.7641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8373, 0.3557, 0.2215**, and **9.3632, 0.4272, 0.2127** is the 20% darker color. If you saturate the color by 10%, you get **19.0118, 0.4214, 0.2120**, and if you desaturate by 10%, it is **22.3495, 0.3921, 0.2161**.

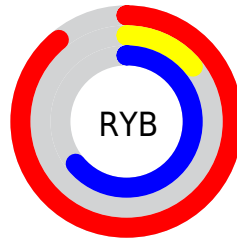
Distribution



Red (89%)

Green (14%)

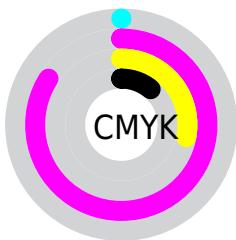
Blue (64%)



Red (89%)

Yellow (14%)

Blue (64%)

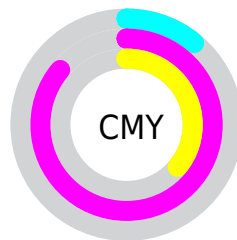


Cyan (0%)

Magenta (84%)

Yellow (28%)

Black (11%)



Cyan (11%)


Magenta (86%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2370, 0.4069, 0.2115 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 20.2370, 0.4069, 0.2115 by changing the saturation by 10% instead.


 20.2370, 0.4069,
0.2115


 20.2370, 0.4069,
0.2115

253.1953, 0.3570,
0.2716


 12.5674, 0.4202,
0.1964


 43.8142, 0.3881,
0.2335


 7.1314, 0.4376,
0.1771


 60.4906, 0.3813,
0.2417


 3.5444, 0.4615,
0.1518


 80.9380, 0.3755,
0.2487

 1.4221, 0.4958,
0.1178

 105.5410, 0.3707,
0.2546

 0.2329, 0.5633,
0.0456

 134.6838, 0.3665,
0.2597

 0.0000, 0.6630,
0.0000

168.7508, 0.3629,

 0.0000, 1.0000,

0.2642

0.0000

208.1265, 0.3598,
0.2681

■ 0.0000, 0.0000,
0.0000

■ 20.2370, 0.4069,
0.2115

■ 20.2370, 0.4069,
0.2115

■ 19.0118, 0.4214,
0.2120

■ 22.3495, 0.3921,
0.2161

■ 18.5737, 0.4297,
0.2141

■ 25.4893, 0.3776,
0.2253

■ 29.7749, 0.3640,
0.2382

■ 35.3078, 0.3515,
0.2537

■ 42.1784, 0.3404,
0.2706

■ 50.4684, 0.3307,
0.2881

■ 60.2532, 0.3224,
0.3054

■ 71.6026, 0.3153,
0.3222

■ 84.5821, 0.3094,
0.3381

Harmonies

Analogous

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



20.2370, 0.2595, 0.1609



20.2370, 0.4069, 0.2115



20.2370, 0.5440, 0.2820

Triad

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



20.2370, 0.4069, 0.2115



20.2370, 0.4244, 0.5532



20.2370, 0.0980, 0.1985

Complementary

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



20.2370, 0.4069, 0.2115



56.2572, 0.2823, 0.5207

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.



20.2370, 0.1200, 0.3194



20.2370, 0.4069, 0.2115



20.2370, 0.3040, 0.6081

Square

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



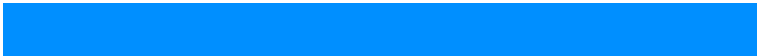
20.2370, 0.4069, 0.2115



20.2370, 0.5301, 0.4511



20.2370, 0.1916, 0.5075



20.2370, 0.1119, 0.1480

Rectangle

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



20.2370, 0.4069, 0.2115



20.2370, 0.5843, 0.3332



20.2370, 0.1916, 0.5075



20.2370, 0.1009, 0.2293

Sweetspot

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



20.2381, 0.4069, 0.2115



64.5510, 0.3316, 0.2864



9.4891, 0.1919, 0.0924



12.9676, 0.3349, 0.2802



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.



20.2381, 0.4069, 0.2115



24.1469, 0.4306, 0.2146



18.0072, 0.5701, 0.3078



14.5288, 0.3189, 0.3135



10.8493, 0.4277, 0.2130



0.8188, 0.4081, 0.2022

Inverse Universe

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



20.2381, 0.4069, 0.2115



24.1469, 0.4306, 0.2146



59.2876, 0.2402, 0.3740



14.5288, 0.3189, 0.3135



10.8493, 0.4277, 0.2130



0.8188, 0.4081, 0.2022

Previews

White Background



This preview shows how the Yxy color 20.2370, 0.4069, 0.2115 looks on a white background.

Color Contrast Check

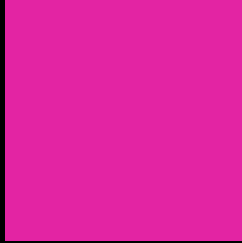
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2370, 0.4069, 0.2115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

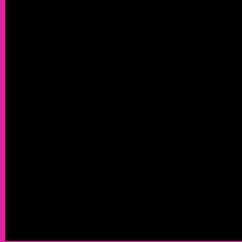
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2370, 0.4069, 0.2115

Background



This preview shows how black text looks on a background with the Yxy color 20.2370, 0.4069, 0.2115.



This preview shows how white text looks on a background with the Yxy color 20.2370, 0.4069, 0.2115.

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

20.2370, 0.4069, 0.2115

Protanopia

20.8918, 0.1987, 0.1764

Deuteranopia

20.4299, 0.2810, 0.2750



Tritanopia

20.2165, 0.5335, 0.3268

Trichromacy



Original Color

20.2370, 0.4069, 0.2115



Protanomaly

16.5717, 0.2421, 0.1688



Deuteranomaly

17.4936, 0.3227, 0.2302



Tritanomaly

19.7547, 0.4940, 0.2825

Monochromacy



Original Color

20.2370, 0.4069, 0.2115



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

14.1724, 0.3516, 0.2532

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2370, 0.4069, 0.2115 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(227, 36, 163)` looks like.

```
.text, #text, p{  
  color:rgb(227, 36, 163)  
}
```

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(227, 36, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 36, 163) }
```

Border

The CSS property to change the border of an element to Yxy 20.2370, 0.4069, 0.2115 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(227, 36, 163) }
```

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

```
.border{ border-color:rgb(227, 36, 163) }
```

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

Here you see how a box with a 4 pixel rgb(227, 36, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 36, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 36, 163);  
box-shadow:4px 4px 4px 4px rgb(227, 36,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2370, 0.4069, 0.2115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 36, 163) }
```

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

```
.background{ background-color: rgb(227, 36,  
163) }
```

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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