

Converting Colors

$Y_{xy}(20.3058, 0.4232, 0.2211)$

Have a look what the booklet for
Yxy(20.3058, 0.4232, 0.2211)
contains.

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Color

Yxy(20.2863, 0.4223, 0.2204)

Conversions

Conversions Part 1

Format	Color
Hex	E5249B
RGB	229, 36, 155
RGB Percent	90%, 14%, 61%
CMY	0.1018, 0.8592, 0.3921
CMYK	0.00, 0.84, 0.32, 0.10
HSL	323°, 79%, 52%
HSV	323°, 84%, 90%
XYZ	38.8698, 20.2863, 32.8870
YIQ	107.2730, 76.8290, 77.9250

Conversions

Conversions Part 2

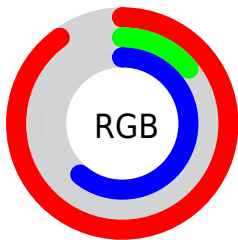
Format	Color
R _Y B	229, 36, 155
Decimal	15017115
CIE Lab	52.16, 77.34, -16.67
CIE LCh	52, 79.118, 347.834
Yxy	20.2863, 0.4223, 0.2204
Android (android.graphics.Color)	4293207195 (0xFFE5249B)
YUV	107.2730, 23.5294, 106.7546
Hunter-Lab	45.0403, 75.2250, -11.7634

Details

The Yxy color **20.2863, 0.4223, 0.2204** 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 **57.5550, 0.2786, 0.5080**, and the grayscale version is **14.6886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4285, 0.3645, 0.2284**, and **9.3243, 0.4452, 0.2226** is the 20% darker color. If you saturate the color by 10%, you get **19.0346, 0.4397, 0.2221**, and if you desaturate by 10%, it is **22.4458, 0.4047, 0.2239**.

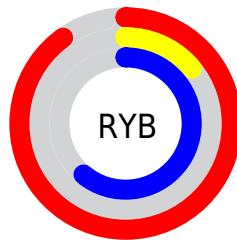
Distribution



Red (90%)

Green (14%)

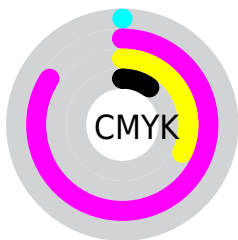
Blue (61%)



Red (90%)

Yellow (14%)

Blue (61%)

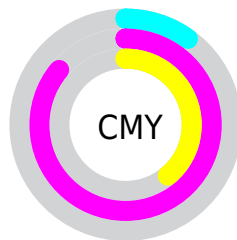


Cyan (0%)

Magenta (84%)

Yellow (32%)

Black (10%)



Cyan (10%)


Magenta (86%)

Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2863, 0.4223, 0.2204 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 20.2863, 0.4223, 0.2204 by changing the saturation by 10% instead.


 20.2863, 0.4223,
0.2204


 20.2863, 0.4223,
0.2204


253.4608, 0.3631,
0.2768


 12.6033, 0.4385,
0.2059


 43.8967, 0.3998,
0.2413

 7.1560, 0.4600,
0.1872


 60.5929, 0.3916,
0.2490


 3.5598, 0.4900,
0.1622


 81.0622, 0.3848,
0.2555

 1.4305, 0.5340,
0.1280

 105.6892, 0.3791,
0.2610

 0.2391, 0.6218,
0.0519

 134.8581, 0.3743,
0.2658

 0.0000, 0.8308,
0.0000

168.9535, 0.3701,

 0.0000, 1.0000,

0.2699

0.0000

208.3596, 0.3664,
0.2736

■ 0.0000, 0.0000,
0.0000

■ 20.2863, 0.4223,
0.2204

■ 20.2863, 0.4223,
0.2204

■ 19.0346, 0.4397,
0.2221

■ 22.4458, 0.4047,
0.2239


■ 18.5944, 0.4494,
0.2249


■ 25.6569, 0.3875,
0.2322


■ 30.0410, 0.3715,
0.2441


■ 35.7024, 0.3570,
0.2586

■ 42.7333, 0.3442,
0.2744

 51.2177, 0.3331,
0.2907

 61.2325, 0.3237,
0.3069

 72.8496, 0.3157,
0.3225

 86.1358, 0.3091,
0.3373

Harmonies

Analogous

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



20.2863, 0.2747, 0.1674



20.2863, 0.4223, 0.2204



20.2863, 0.5496, 0.2916

Triad

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



20.2863, 0.4223, 0.2204



20.2863, 0.4114, 0.5604



20.2863, 0.1007, 0.1927

Complementary

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



20.2863, 0.4223, 0.2204



57.5550, 0.2786, 0.5080

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.



20.2863, 0.1184, 0.3029



20.2863, 0.4223, 0.2204



20.2863, 0.2924, 0.6000

Square

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



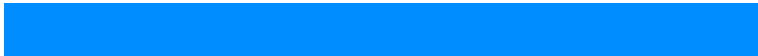
20.2863, 0.4223, 0.2204



20.2863, 0.5181, 0.4619



20.2863, 0.1838, 0.4835



20.2863, 0.1180, 0.1479

Rectangle

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



20.2863, 0.4223, 0.2204



20.2863, 0.5814, 0.3430



20.2863, 0.1838, 0.4835



20.2863, 0.1023, 0.2205

Sweetspot

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



20.2874, 0.4223, 0.2204



64.3759, 0.3339, 0.2894



10.0243, 0.1966, 0.0947



12.9256, 0.3377, 0.2836



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.



20.2874, 0.4223, 0.2204



23.7037, 0.4503, 0.2254



18.2642, 0.5797, 0.3131



14.5167, 0.3196, 0.3146



10.6520, 0.4468, 0.2235



0.8052, 0.4235, 0.2107

Inverse Universe

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



20.2874, 0.4223, 0.2204



23.7037, 0.4503, 0.2254



60.7562, 0.2374, 0.3646



14.5167, 0.3196, 0.3146



10.6520, 0.4468, 0.2235



0.8052, 0.4235, 0.2107

Previews

White Background



This preview shows how the Yxy color 20.2863, 0.4223, 0.2204 looks on a white background.

Color Contrast Check

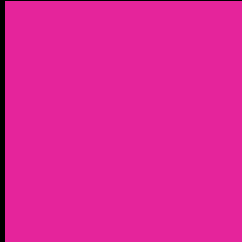
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2863, 0.4223, 0.2204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

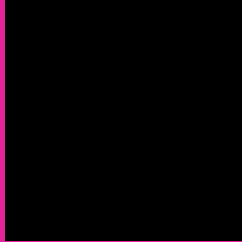
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2863, 0.4223, 0.2204

Background



This preview shows how black text looks on a background with the Yxy color 20.2863, 0.4223, 0.2204.



This preview shows how white text looks on a background with the Yxy color 20.2863, 0.4223, 0.2204.

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

20.2863, 0.4223, 0.2204

Protanopia

20.7054, 0.2077, 0.1883

Deuteranopia

20.5526, 0.2947, 0.2888



Tritanopia

20.2772, 0.5424, 0.3270

Trichromacy



Original Color

20.2863, 0.4223, 0.2204



Protanomaly

16.6508, 0.2553, 0.1795



Deuteranomaly

17.6514, 0.3387, 0.2422



Tritanomaly

19.7952, 0.5037, 0.2860

Monochromacy



Original Color

20.2863, 0.4223, 0.2204



Achromatopsia

14.7027, 0.3127, 0.3290



Achromatomaly

13.9194, 0.3582, 0.2578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2863, 0.4223, 0.2204 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(229, 36, 155)` looks like.

```
.text, #text, p{  
    color:rgb(229, 36, 155)  
}
```

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(229, 36, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 36, 155) }
```

Border

The CSS property to change the border of an element to Yxy 20.2863, 0.4223, 0.2204 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(229, 36, 155) }
```

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

```
.border{ border-color:rgb(229, 36, 155) }
```

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

Here you see how a box with a 4 pixel rgb(229, 36, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 36, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 36, 155);  
box-shadow:4px 4px 4px 4px rgb(229, 36,  
155) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 20.2863, 0.4223, 0.2204$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 36, 155) }
```

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

```
.background{ background-color: rgb(229, 36,  
155) }
```

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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