

Converting Colors

$Yxy(19.7695, 0.4104, 0.2108)$

Have a look what the booklet for
Yxy(19.7695, 0.4104, 0.2108)
contains.

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Color

Yxy(19.8326, 0.4107, 0.2112)

Conversions

Conversions Part 1

Format	Color
Hex	E31EA1
RGB	227, 30, 161
RGB Percent	89%, 12%, 63%
CMY	0.1099, 0.8818, 0.3687
CMYK	0.00, 0.87, 0.29, 0.11
HSL	320°, 78%, 50%
HSV	320°, 87%, 89%
XYZ	38.5665, 19.8326, 35.5052
YIQ	103.8370, 75.3610, 82.5050

Conversions

Conversions Part 2

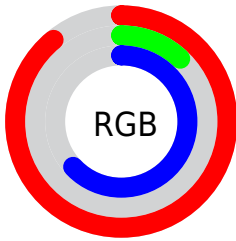
Format	Color
R_{YB}	227, 30, 161
Decimal	14884513
CIE Lab	51.65, 78.58, -21.03
CIE LCh	52, 81.345, 345.020
Yxy	19.8326, 0.4107, 0.2112
Android (android.graphics.Color)	4293074593 (0xFFE31EA1)
YUV	103.8370, 28.1814, 108.0140
Hunter-Lab	44.5338, 76.6478, -16.0962

Details

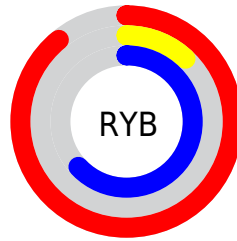
The Yxy color **19.8326, 0.4107, 0.2112** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **56.0445, 0.2828, 0.5263**, and the grayscale version is **13.7256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1185, 0.3582, 0.2208**, and **9.2111, 0.4302, 0.2144** is the 20% darker color. If you saturate the color by 10%, you get **18.7992, 0.4251, 0.2130**, and if you desaturate by 10%, it is **21.7061, 0.3959, 0.2145**.

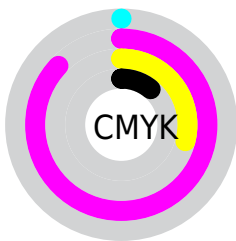
Distribution



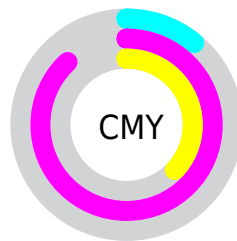
- Red (89%)
- Green (12%)
- Blue (63%)



- Red (89%)
- Yellow (12%)
- Blue (63%)



- Cyan (0%)
- Magenta (87%)
- Yellow (29%)
- Black (11%)





- Cyan (11%)
- Magenta (88%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.8326, 0.4107, 0.2112 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 19.8326, 0.4107, 0.2112 by changing the saturation by 10% instead.


 19.8326, 0.4107,
0.2112


 19.8326, 0.4107,
0.2112


251.0074, 0.3585,
0.2716


 12.2734, 0.4247,
0.1959


 43.1363, 0.3910,
0.2334


 6.9302, 0.4431,
0.1764


 59.6497, 0.3838,
0.2416


 3.4185, 0.4684,
0.1507


 79.9166, 0.3778,
0.2486

 1.3539, 0.5049,
0.1163

 104.3214, 0.3728,
0.2546

 0.1824, 0.5800,
0.0376

 133.2484, 0.3684,
0.2597

 0.0000, 0.6950,
0.0000

167.0822, 0.3647,

 0.0000, 0.0000,

0.2642

0.0000

206.2071, 0.3614,
0.2681

■ 19.8326, 0.4107,
0.2112

■ 19.8326, 0.4107,
0.2112

■ 18.7992, 0.4251,
0.2130

■ 21.7061, 0.3959,
0.2145

■ 18.5557, 0.4298,
0.2142

■ 24.5729, 0.3813,
0.2227

■ 28.5568, 0.3674,
0.2348

■ 33.7626, 0.3546,
0.2497

■ 40.2831, 0.3431,
0.2663

■ 48.2019, 0.3330,
0.2837

■ 57.5958, 0.3244,
0.3011

■ 68.5358, 0.3170,
0.3181

■ 81.0883, 0.3108,
0.3342

Harmonies

Analogous

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



19.8326, 0.2608, 0.1599



19.8326, 0.4107, 0.2112



19.8326, 0.5488, 0.2822

Triad

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



19.8326, 0.4107, 0.2112



19.8326, 0.4226, 0.5569



19.8326, 0.0961, 0.1954

Complementary

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



19.8326, 0.4107, 0.2112



56.0445, 0.2828, 0.5263

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.



19.8326, 0.1172, 0.3162



19.8326, 0.4107, 0.2112



19.8326, 0.3009, 0.6122

Square

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



19.8326, 0.4107, 0.2112



19.8326, 0.5304, 0.4529



19.8326, 0.1881, 0.5075



19.8326, 0.1106, 0.1457

Rectangle

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



19.8326, 0.4107, 0.2112



19.8326, 0.5880, 0.3337



19.8326, 0.1881, 0.5075



19.8326, 0.0986, 0.2260

Sweetspot

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



19.8337, 0.4107, 0.2112



63.3965, 0.3325, 0.2847



8.9532, 0.1885, 0.0883



12.7465, 0.3358, 0.2786



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.



19.8337, 0.4107, 0.2112



24.1439, 0.4307, 0.2146



17.6194, 0.5794, 0.3091



14.5288, 0.3189, 0.3135



10.8480, 0.4278, 0.2130



0.8187, 0.4082, 0.2022

Inverse Universe

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



19.8337, 0.4107, 0.2112



24.1439, 0.4307, 0.2146



59.1000, 0.2399, 0.3755



14.5288, 0.3189, 0.3135



10.8480, 0.4278, 0.2130



0.8187, 0.4082, 0.2022

Previews

White Background



This preview shows how the Yxy color 19.8326, 0.4107, 0.2112 looks on a white background.

Color Contrast Check

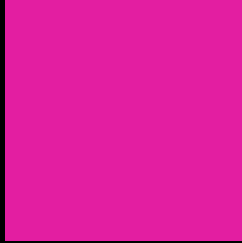
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8326, 0.4107, 0.2112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

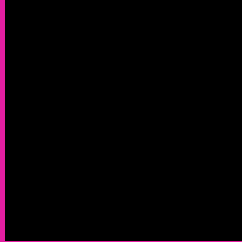
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8326, 0.4107, 0.2112

Background



This preview shows how black text looks on a background with the Yxy color 19.8326, 0.4107, 0.2112.



This preview shows how white text looks on a background with the Yxy color 19.8326, 0.4107, 0.2112.

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

19.8326, 0.4107, 0.2112

Protanopia

20.5124, 0.1978, 0.1755

Deuteranopia

20.0467, 0.2818, 0.2763



Tritanopia

19.8048, 0.5401, 0.3269

Trichromacy



Original Color

19.8326, 0.4107, 0.2112



Protanomaly

15.9423, 0.2413, 0.1656



Deuteranomaly

16.8196, 0.3242, 0.2282



Tritanomaly

19.3258, 0.4993, 0.2817

Monochromacy



Original Color

19.8326, 0.4107, 0.2112



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

13.1780, 0.3545, 0.2492

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8326, 0.4107, 0.2112 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, 30, 161)` looks like.

```
.text, #text, p{  
    color:rgb(227, 30, 161)  
}
```

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, 30, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 30, 161) }
```

Border

The CSS property to change the border of an element to Yxy 19.8326, 0.4107, 0.2112 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, 30, 161) }
```

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

```
.border{ border-color:rgb(227, 30, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 30, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 30, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 30, 161);  
box-shadow:4px 4px 4px 4px rgb(227, 30,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8326, 0.4107, 0.2112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 30, 161) }
```

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

```
.background{ background-color: rgb(227, 30,  
161) }
```

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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