

Converting Colors

$Yxy(19.8324, 0.4142, 0.2056)$

Have a look what the booklet for
Yxy(19.8324, 0.4142, 0.2056)
contains.

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Color

Yxy(19.8361, 0.4136, 0.2052)

Conversions

Conversions Part 1

Format	Color
Hex	E800A4
RGB	232, 0, 164
RGB Percent	91%, 0%, 64%
CMY	0.0902, 1.0000, 0.3568
CMYK	0.00, 1.00, 0.29, 0.09
HSL	318°, 100%, 45%
HSV	318°, 100%, 91%
XYZ	39.9815, 19.8361, 36.8495
YIQ	88.0640, 85.6280, 100.1880

Conversions

Conversions Part 2

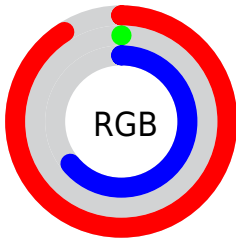
Format	Color
RYB	232, 0, 164
Decimal	15204516
CIELab	51.65, 83.04, -22.74
CIELCh	52, 86.092, 344.688
Yxy	19.8361, 0.4136, 0.2052
Android (android.graphics.Color)	4293394596 (0xFFE800A4)
YUV	88.0640, 37.4364, 126.2319
Hunter-Lab	44.5377, 82.2984, -17.8788

Details

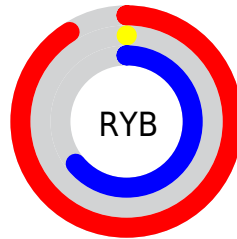
The Yxy color **19.8361, 0.4136, 0.2052** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **58.1331, 0.2899, 0.5636**, and the grayscale version is **9.6770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7402, 0.3558, 0.2123**, and **9.8278, 0.4312, 0.2149** is the 20% darker color. If you saturate the color by 10%, you get **19.8374, 0.4136, 0.2052**, and if you desaturate by 10%, it is **20.7105, 0.4016, 0.2032**.

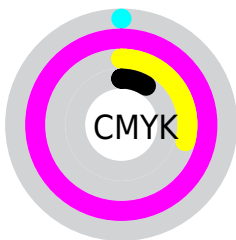
Distribution



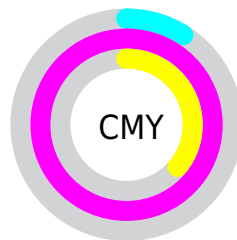
- Red (91%)
- Green (0%)
- Blue (64%)



- Red (91%)
- Yellow (0%)
- Blue (64%)



- Cyan (0%)
- Magenta (100%)
- Yellow (29%)
- Black (9%)




- Cyan (9%)
- Magenta (100%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.8361, 0.4136, 0.2052 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 19.8361, 0.4136, 0.2052 by changing the saturation by 10% instead.


 19.8361, 0.4136,
0.2052


 19.8361, 0.4136,
0.2052


251.0264, 0.3602,
0.2682

 12.2760, 0.4277,
0.1895


 43.1422, 0.3936,
0.2282


 6.9319, 0.4463,
0.1695


 59.6570, 0.3862,
0.2368


 3.4196, 0.4715,
0.1436


 79.9254, 0.3801,
0.2441

 1.3545, 0.5074,
0.1093

 104.3319, 0.3749,
0.2503

 0.1828, 0.5789,
0.0345

 133.2609, 0.3705,
0.2557

 0.0000, 0.6706,
0.0000

 167.0967, 0.3666,


 0.0000, 1.0000,

0.2604

0.0000


206.2238, 0.3632,
0.2645

 0.0000, 0.0000,
0.0000


 19.8361, 0.4136,
0.2052

 19.8361, 0.4136,
0.2052

 19.8374, 0.4136,
0.2052

 20.7105, 0.4016,
0.2032

 22.3408, 0.3892,
0.2057

 24.9651, 0.3767,
0.2131

 28.7214, 0.3646,
0.2247

 33.7255, 0.3532,
0.2396

■ 40.0791, 0.3428,
0.2566

■ 47.8732, 0.3336,
0.2748

■ 57.1909, 0.3255,
0.2934

■ 68.1090, 0.3186,
0.3115

Harmonies

Analogous

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



19.8361, 0.2562, 0.1531



19.8361, 0.4136, 0.2052



19.8361, 0.5603, 0.2774

Triad

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



19.8361, 0.4136, 0.2052



19.8361, 0.4245, 0.5640



19.8361, 0.0887, 0.1892

Complementary

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



19.8361, 0.4136, 0.2052



58.1331, 0.2899, 0.5636

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.



19.8361, 0.1094, 0.3156



19.8361, 0.4136, 0.2052



19.8361, 0.2974, 0.6290

Square

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



19.8361, 0.4136, 0.2052



19.8361, 0.5383, 0.4521



19.8361, 0.1815, 0.5219



19.8361, 0.1034, 0.1387

Rectangle

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



19.8361, 0.4136, 0.2052



19.8361, 0.6008, 0.3293



19.8361, 0.1815, 0.5219



19.8361, 0.0911, 0.2207

Sweetspot

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



19.8374, 0.4136, 0.2052



59.1594, 0.3337, 0.2746



6.9755, 0.1670, 0.0694



11.7410, 0.3375, 0.2668



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.



19.8374, 0.4136, 0.2052



24.5663, 0.4142, 0.2055



17.3892, 0.6061, 0.3112



14.5395, 0.3183, 0.3125



11.0355, 0.4117, 0.2042



0.8315, 0.3953, 0.1951

Inverse Universe

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



19.8374, 0.4136, 0.2052



24.5663, 0.4142, 0.2055



61.0824, 0.2447, 0.4011



14.5395, 0.3183, 0.3125



11.0355, 0.4117, 0.2042



0.8315, 0.3953, 0.1951

Previews

White Background



This preview shows how the Yxy color 19.8361, 0.4136, 0.2052 looks on a white background.

Color Contrast Check

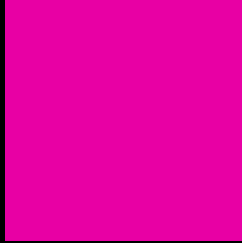
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8361, 0.4136, 0.2052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

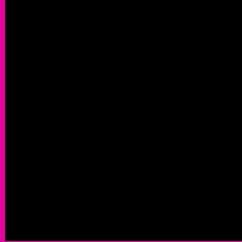
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8361, 0.4136, 0.2052

Background



This preview shows how black text looks on a background with the Yxy color 19.8361, 0.4136, 0.2052.



This preview shows how white text looks on a background with the Yxy color 19.8361, 0.4136, 0.2052.

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

19.8361, 0.4136, 0.2052

Protanopia

20.7391, 0.1907, 0.1657

Deuteranopia

20.3566, 0.2800, 0.2748



Tritanopia

20.2055, 0.5502, 0.3271

Trichromacy



Original Color

19.8361, 0.4136, 0.2052



Protanomaly

14.3468, 0.2300, 0.1449



Deuteranomaly

15.5645, 0.3251, 0.2134



Tritanomaly

19.0591, 0.5110, 0.2764

Monochromacy



Original Color

19.8361, 0.4136, 0.2052



Achromatopsia

9.7587, 0.3127, 0.3290



Achromatomaly

9.6647, 0.3609, 0.2267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8361, 0.4136, 0.2052 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(232, 0, 164)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 164)  
}
```

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(232, 0, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 164) }
```

Border

The CSS property to change the border of an element to Yxy 19.8361, 0.4136, 0.2052 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(232, 0, 164) }
```

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

```
.border{ border-color:rgb(232, 0, 164) }
```

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

Here you see how a box with a 4 pixel rgb(232, 0, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 164);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8361, 0.4136, 0.2052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 164) }
```

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

```
.background{ background-color: rgb(232, 0,  
164) }
```

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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