

Converting Colors

Yxy(21.0384, 0.4295, 0.2147)

Have a look what the booklet for
Yxy(21.0384, 0.4295, 0.2147)
contains.

Yxy(20.9408, 0.4298, 0.2148)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(20.9408, 0.4298, 0.2148)

Conversions

Conversions Part 1

Format	Color
Hex	EF049F
RGB	239, 4, 159
RGB Percent	94%, 2%, 62%
CMY	0.0627, 0.9844, 0.3764
CMYK	0.00, 0.98, 0.33, 0.06
HSL	320°, 97%, 48%
HSV	320°, 98%, 94%
XYZ	41.9011, 20.9408, 34.6479
YIQ	91.9350, 90.3050, 98.0250

Conversions

Conversions Part 2

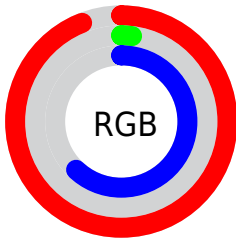
Format	Color
RYB	239, 4, 159
Decimal	15664287
CIELab	52.88, 83.62, -17.78
CIELCh	53, 85.491, 347.999
Yxy	20.9408, 0.4298, 0.2148
Android (android.graphics.Color)	4293854367 (0xFFEF049F)
YUV	91.9350, 33.0630, 128.9760
Hunter-Lab	45.7611, 83.3613, -12.8584

Details

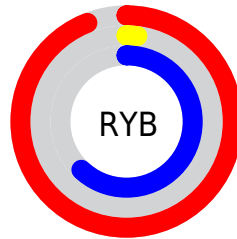
The Yxy color **20.9408, 0.4298, 0.2148** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **62.4004, 0.2862, 0.5492**, and the grayscale version is **10.5912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.8504, 0.3611, 0.2180**, and **10.4086, 0.4517, 0.2262** is the 20% darker color. If you saturate the color by 10%, you get **20.8090, 0.4322, 0.2155**, and if you desaturate by 10%, it is **21.9721, 0.4151, 0.2121**.

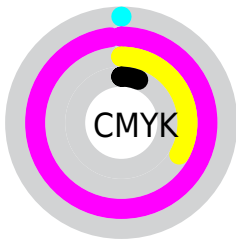
Distribution



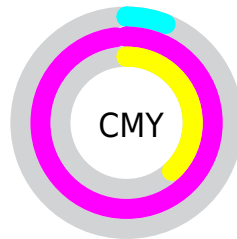
- Red (94%)
- Green (2%)
- Blue (62%)



- Red (94%)
- Yellow (2%)
- Blue (62%)



- Cyan (0%)
- Magenta (98%)
- Yellow (33%)
- Black (6%)





- Cyan (6%)
- Magenta (98%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.9408, 0.4298, 0.2148 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 20.9408, 0.4298, 0.2148 by changing the saturation by 10% instead.


 20.9408, 0.4298,
0.2148

 20.9408, 0.4298,
0.2148


256.9637, 0.3671,
0.2734


 13.0807, 0.4467,
0.2000


 44.9890, 0.4061,
0.2363

 7.4842, 0.4690,
0.1810


 61.9459, 0.3975,
0.2443


 3.7667, 0.4997,
0.1561


 82.7039, 0.3903,
0.2511

 1.5439, 0.5441,
0.1225

 107.6473, 0.3842,
0.2569

 0.3193, 0.6244,
0.0584

 137.1607, 0.3790,
0.2618

 0.0000, 0.7816,
0.0000

 171.6282, 0.3745,

 0.0000, 1.0000,

0.2662

0.0000

211.4344, 0.3706,
0.2700

■ 0.0000, 0.0000,
0.0000

■ 20.9408, 0.4298,
0.2148

■ 20.9408, 0.4298,
0.2148

■ 20.8090, 0.4322,
0.2155

■ 21.9721, 0.4151,
0.2121

■ 23.8943, 0.4000,
0.2144

■ 26.9126, 0.3850,
0.2216

■ 31.1712, 0.3706,
0.2330

■ 36.7919, 0.3573,
0.2475

■ 43.8821, 0.3454,
0.2638

■ 52.5382, 0.3349,
0.2811

■ 62.8486, 0.3259,
0.2985

■ 74.8947, 0.3182,
0.3154

Harmonies

Analogous

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



20.9408, 0.2724, 0.1602



20.9408, 0.4298, 0.2148



20.9408, 0.5651, 0.2876

Triad

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



20.9408, 0.4298, 0.2148



20.9408, 0.4103, 0.5709



20.9408, 0.0920, 0.1839

Complementary

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



20.9408, 0.4298, 0.2148



62.4004, 0.2862, 0.5492

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.



20.9408, 0.1085, 0.2982



20.9408, 0.4298, 0.2148



20.9408, 0.2861, 0.6199

Square

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



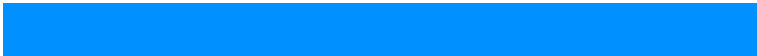
20.9408, 0.4298, 0.2148



20.9408, 0.5247, 0.4636



20.9408, 0.1743, 0.4946



20.9408, 0.1100, 0.1393

Rectangle

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



20.9408, 0.4298, 0.2148



20.9408, 0.5964, 0.3398



20.9408, 0.1743, 0.4946



20.9408, 0.0932, 0.2122

Sweetspot

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



20.9420, 0.4298, 0.2148



58.9555, 0.3367, 0.2780



8.1267, 0.1747, 0.0742



11.6922, 0.3410, 0.2707



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.



20.9420, 0.4298, 0.2148



24.0957, 0.4327, 0.2157



18.6132, 0.6148, 0.3172



15.9347, 0.3190, 0.3135



11.5246, 0.4300, 0.2143



0.9773, 0.4119, 0.2043

Inverse Universe

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



20.9420, 0.4298, 0.2148



24.0957, 0.4327, 0.2157



65.9234, 0.2398, 0.3825



15.9347, 0.3190, 0.3135



11.5246, 0.4300, 0.2143



0.9773, 0.4119, 0.2043

Previews

White Background



This preview shows how the Yxy color 20.9408, 0.4298, 0.2148 looks on a white background.

Color Contrast Check

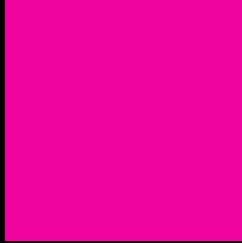
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9408, 0.4298, 0.2148 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 20.9408, 0.4298, 0.2148

Background



This preview shows how black text looks on a background with the Yxy color 20.9408, 0.4298, 0.2148.



This preview shows how white text looks on a background with the Yxy color 20.9408, 0.4298, 0.2148.

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

20.9408, 0.4298, 0.2148

Protanopia

21.6236, 0.2000, 0.1780

Deuteranopia

21.2992, 0.2939, 0.2877



Tritanopia

21.2603, 0.5609, 0.3282

Trichromacy



Original Color

20.9408, 0.4298, 0.2148



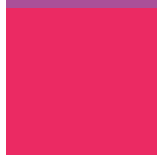
Protanomaly

15.3200, 0.2465, 0.1584



Deuteranomaly

16.5504, 0.3429, 0.2260



Tritanomaly

20.2189, 0.5237, 0.2836

Monochromacy



Original Color

20.9408, 0.4298, 0.2148



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

10.5124, 0.3684, 0.2355

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9408, 0.4298, 0.2148 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(239, 4, 159)` looks like.

```
.text, #text, p{  
    color:rgb(239, 4, 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(239, 4, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 4, 159) }
```

Border

The CSS property to change the border of an element to Yxy 20.9408, 0.4298, 0.2148 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(239, 4, 159) }
```

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

```
.border{ border-color:rgb(239, 4, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 4, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 4, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 4, 159);  
box-shadow:4px 4px 4px 4px rgb(239, 4,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9408, 0.4298, 0.2148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 4, 159) }
```

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

```
.background{ background-color: rgb(239, 4,  
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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