

Converting Colors

$Y_{xy}(20.8585, 0.4772, 0.2428)$

Have a look what the booklet for
Yxy(20.8585, 0.4772, 0.2428)
contains.

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Color

Yxy(20.8585, 0.4772, 0.2428)

Conversions

Conversions Part 1

Format	Color
Hex	F20D85
RGB	242, 13, 133
RGB Percent	95%, 5%, 52%
CMY	0.0510, 0.9488, 0.4784
CMYK	0.00, 0.95, 0.45, 0.05
HSL	329°, 90%, 50%
HSV	329°, 95%, 95%
XYZ	40.9954, 20.8585, 24.0543
YIQ	95.1510, 97.9640, 85.8680

Conversions

Conversions Part 2

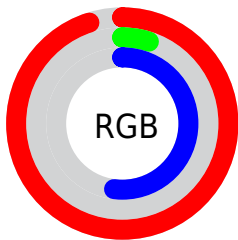
Format	Color
R _Y B	242, 13, 133
Decimal	15863173
CIE Lab	52.79, 81.25, -2.29
CIE LCh	53, 81.282, 358.383
Yxy	20.8585, 0.4772, 0.2428
Android (android.graphics.Color)	4294053253 (0xFFFF20D85)
YUV	95.1510, 18.6596, 128.7866
Hunter-Lab	45.6711, 80.3010, 0.7426

Details

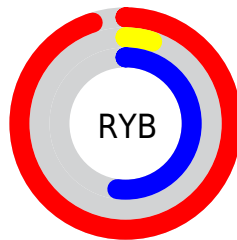
The Yxy color **20.8585, 0.4772, 0.2428** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **64.9967, 0.2735, 0.5018**, and the grayscale version is **11.4255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.9195, 0.3941, 0.2446**, and **10.2238, 0.5084, 0.2575** is the 20% darker color. If you saturate the color by 10%, you get **20.4040, 0.4892, 0.2469**, and if you desaturate by 10%, it is **22.2454, 0.4542, 0.2385**.

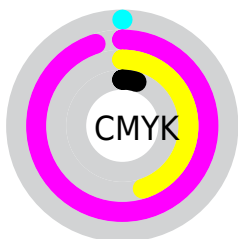
Distribution



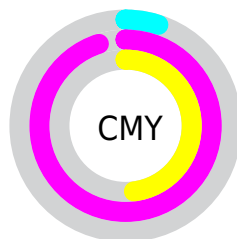
- Red (95%)
- Green (5%)
- Blue (52%)



- Red (95%)
- Yellow (5%)
- Blue (52%)



- Cyan (0%)
- Magenta (95%)
- Yellow (45%)
- Black (5%)





- Cyan (5%)
- Magenta (95%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8585, 0.4772, 0.2428 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 20.8585, 0.4772, 0.2428 by changing the saturation by 10% instead.


 20.8585, 0.4772,
0.2428

 20.8585, 0.4772,
0.2428


256.5255, 0.3860,
0.2901


 13.0206, 0.5028,
0.2297


 44.8519, 0.4419,
0.2610

 7.4427, 0.5373,
0.2122


 61.7762, 0.4293,
0.2675

 3.7405, 0.5858,
0.1879


 82.4982, 0.4189,
0.2729

 1.5295, 0.6571,
0.1526

 107.4021, 0.4102,
0.2774

 0.3093, 0.8011,
0.0763

 136.8724, 0.4028,
0.2813

 0.0000, 1.0000,
0.0000

171.2935, 0.3964,

 0.0000, 0.0000,

0.2846

0.0000

211.0497, 0.3909,
0.2875

■ 20.8585, 0.4772,
0.2428

■ 20.8585, 0.4772,
0.2428

■ 20.4040, 0.4892,
0.2469

■ 22.2454, 0.4542,
0.2385

■ 24.6645, 0.4308,
0.2398

■ 28.2877, 0.4080,
0.2459

■ 33.2545, 0.3870,
0.2557

■ 39.6851, 0.3682,
0.2681

■ 47.6862, 0.3519,
0.2817

■ 57.3543, 0.3380,
0.2958

■ 68.7784, 0.3263,
0.3097

■ 82.0409, 0.3166,
0.3231

Harmonies

Analogous

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



20.8585, 0.3232, 0.1812



20.8585, 0.4772, 0.2428



20.8585, 0.5767, 0.3174

Triad

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



20.8585, 0.4772, 0.2428



20.8585, 0.3692, 0.5905



20.8585, 0.1008, 0.1689

Complementary

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



20.8585, 0.4772, 0.2428



64.9967, 0.2735, 0.5018

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.



20.8585, 0.1051, 0.2530



20.8585, 0.4772, 0.2428



20.8585, 0.2497, 0.5832

Square

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



20.8585, 0.4772, 0.2428



20.8585, 0.4850, 0.4986



20.8585, 0.1521, 0.4183



20.8585, 0.1301, 0.1401

Rectangle

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



20.8585, 0.4772, 0.2428



20.8585, 0.5823, 0.3709



20.8585, 0.1521, 0.4183



20.8585, 0.0984, 0.1892

Sweetspot

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



20.8597, 0.4772, 0.2428



60.5958, 0.3425, 0.2909



10.6853, 0.2002, 0.0895



11.9731, 0.3486, 0.2848



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.



20.8597, 0.4772, 0.2428



22.9699, 0.4898, 0.2472



19.2193, 0.6299, 0.3281



15.8972, 0.3211, 0.3167



10.9890, 0.4857, 0.2449



0.9343, 0.4581, 0.2297

Inverse Universe

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



20.8597, 0.4772, 0.2428



22.9699, 0.4898, 0.2472



69.5520, 0.2279, 0.3385



15.8972, 0.3211, 0.3167



10.9890, 0.4857, 0.2449



0.9343, 0.4581, 0.2297

Previews

White Background



This preview shows how the Yxy color 20.8585, 0.4772, 0.2428 looks on a white background.

Color Contrast Check

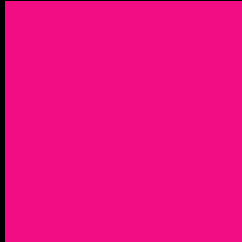
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8585, 0.4772, 0.2428 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 20.8585, 0.4772, 0.2428

Background



This preview shows how black text looks on a background with the Yxy color 20.8585, 0.4772, 0.2428.



This preview shows how white text looks on a background with the Yxy color 20.8585, 0.4772, 0.2428.

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

20.8585, 0.4772, 0.2428

Protanopia

21.3719, 0.2337, 0.2225

Deuteranopia

21.2587, 0.3350, 0.3291



Tritanopia

21.0913, 0.5816, 0.3291

Trichromacy



Original Color

20.8585, 0.4772, 0.2428



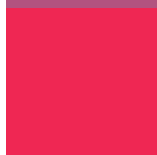
Protanomaly

16.1130, 0.2978, 0.2020



Deuteranomaly

17.1838, 0.3918, 0.2663



Tritanomaly

20.4263, 0.5535, 0.2985

Monochromacy



Original Color

20.8585, 0.4772, 0.2428



Achromatopsia

11.4435, 0.3127, 0.3290



Achromatomaly

11.1806, 0.3852, 0.2554

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8585, 0.4772, 0.2428 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(242, 13, 133)` looks like.

```
.text, #text, p{  
    color:rgb(242, 13, 133)  
}
```

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(242, 13, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 13, 133) }
```

Border

The CSS property to change the border of an element to Yxy 20.8585, 0.4772, 0.2428 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(242, 13, 133) }
```

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

```
.border{ border-color:rgb(242, 13, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 13, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 13, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 13, 133);  
box-shadow:4px 4px 4px 4px rgb(242, 13,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8585, 0.4772, 0.2428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 13, 133) }
```

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

```
.background{ background-color: rgb(242, 13,  
133) }
```

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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