

Converting Colors

Yxy(17.3232, 0.4890, 0.2184)

Have a look what the booklet for
Yxy(17.3232, 0.4890, 0.2184)
contains.

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Color

Yxy(20.1912, 0.4779, 0.2406)

Conversions

Conversions Part 1

Format	Color
Hex	F00084
RGB	240, 0, 132
RGB Percent	94%, 0%, 52%
CMY	0.0588, 1.0000, 0.4822
CMYK	0.00, 1.00, 0.45, 0.06
HSL	327°, 100%, 47%
HSV	327°, 100%, 94%
XYZ	40.1055, 20.1912, 23.6235
YIQ	86.8080, 100.6680, 91.9320

Conversions

Conversions Part 2

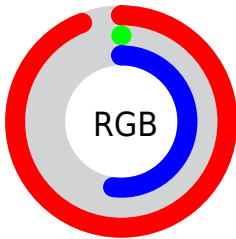
Format	Color
R_{YB}	240, 0, 132
Decimal	15728772
CIE _{Lab}	52.05, 81.69, -2.85
CIE _{LCh}	52, 81.742, 358.005
Yxy	20.1912, 0.4779, 0.2406
Android (android.graphics.Color)	4293918852 (0xFFFF0084)
YUV	86.8080, 22.2797, 134.3494
Hunter-Lab	44.9346, 80.6809, 0.2836

Details

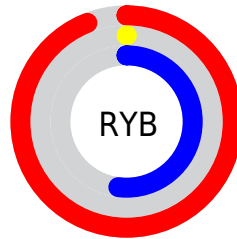
The Yxy color **20.1912, 0.4779, 0.2406** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **63.4115, 0.2778, 0.5201**, and the grayscale version is **9.4242, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.3122, 0.3960, 0.2431**, and **9.9716, 0.5084, 0.2574** is the 20% darker color. If you saturate the color by 10%, you get **20.1946, 0.4779, 0.2406**, and if you desaturate by 10%, it is **21.1592, 0.4569, 0.2346**.

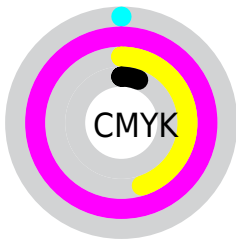
Distribution



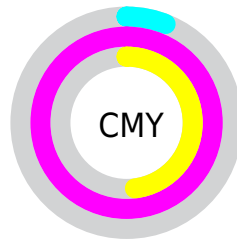
- Red (94%)
- Green (0%)
- Blue (52%)



- Red (94%)
- Yellow (0%)
- Blue (52%)



- Cyan (0%)
- Magenta (100%)
- Yellow (45%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1912, 0.4779, 0.2406 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 20.1912, 0.4779, 0.2406 by changing the saturation by 10% instead.


 20.1912, 0.4779,
0.2406

 20.1912, 0.4779,
0.2406


252.9483, 0.3860,
0.2892


 12.5341, 0.5039,
0.2271


 43.7375, 0.4423,
0.2593


 7.1085, 0.5389,
0.2091


 60.3955, 0.4296,
0.2660


 3.5301, 0.5882,
0.1841

 80.8226, 0.4191,
0.2715

 1.4143, 0.6611,
0.1478

 105.4032, 0.4103,
0.2762

 0.2272, 0.8208,
0.0604

 134.5217, 0.4029,
0.2801

 0.0000, 1.0000,
0.0000

 168.5624, 0.3965,

 0.0000, 0.0000,

0.2836

0.0000

207.9098, 0.3909,
0.2865

■ 20.1912, 0.4779,
0.2406

■ 20.1912, 0.4779,
0.2406

■ 20.1946, 0.4779,
0.2406

■ 21.1592, 0.4569,
0.2346

■ 22.9627, 0.4352,
0.2335

■ 25.8589, 0.4136,
0.2377

■ 29.9987, 0.3931,
0.2463

■ 35.5088, 0.3743,
0.2580

■ 42.5002, 0.3578,
0.2717

■ 51.0724, 0.3435,
0.2863

■ 61.3164, 0.3314,
0.3010

■ 73.3159, 0.3212,
0.3153

Harmonies

Analogous

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



20.1912, 0.3213, 0.1789



20.1912, 0.4779, 0.2406



20.1912, 0.5800, 0.3154

Triad

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



20.1912, 0.4779, 0.2406



20.1912, 0.3701, 0.5931



20.1912, 0.0985, 0.1674

Complementary

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



20.1912, 0.4779, 0.2406



63.4115, 0.2778, 0.5201

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.



20.1912, 0.1031, 0.2530



20.1912, 0.4779, 0.2406



20.1912, 0.2495, 0.5894

Square

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



20.1912, 0.4779, 0.2406



20.1912, 0.4877, 0.4984



20.1912, 0.1507, 0.4222



20.1912, 0.1275, 0.1382

Rectangle

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



20.1912, 0.4779, 0.2406



20.1912, 0.5859, 0.3691



20.1912, 0.1507, 0.4222



20.1912, 0.0962, 0.1880

Sweetspot

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



20.1946, 0.4779, 0.2406



58.4983, 0.3436, 0.2861



9.2356, 0.1884, 0.0812



11.5833, 0.3494, 0.2799



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.



20.1946, 0.4779, 0.2406



23.1615, 0.4785, 0.2410



18.5653, 0.6347, 0.3270



15.9044, 0.3207, 0.3161



11.0805, 0.4747, 0.2389



0.9418, 0.4488, 0.2246

Inverse Universe

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



20.1946, 0.4779, 0.2406



23.1615, 0.4785, 0.2410



67.7117, 0.2305, 0.3498



15.9044, 0.3207, 0.3161



11.0805, 0.4747, 0.2389



0.9418, 0.4488, 0.2246

Previews

White Background



This preview shows how the Yxy color 20.1912, 0.4779, 0.2406 looks on a white background.

Color Contrast Check

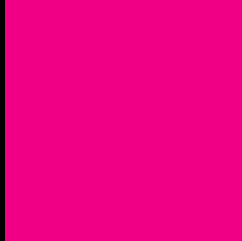
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1912, 0.4779, 0.2406 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 20.1912, 0.4779, 0.2406

Background



This preview shows how black text looks on a background with the Yxy color 20.1912, 0.4779, 0.2406.

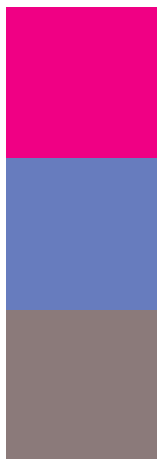


This preview shows how white text looks on a background with the Yxy color 20.1912, 0.4779, 0.2406.

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

20.1912, 0.4779, 0.2406

Protanopia

21.0166, 0.2333, 0.2219

Deuteranopia

20.8132, 0.3339, 0.3291



Tritanopia

20.5459, 0.5841, 0.3292

Trichromacy



Original Color

20.1912, 0.4779, 0.2406



Protanomaly

15.2288, 0.2977, 0.1963



Deuteranomaly

16.1852, 0.3925, 0.2604



Tritanomaly

19.7014, 0.5560, 0.2961

Monochromacy



Original Color

20.1912, 0.4779, 0.2406



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

9.5513, 0.3926, 0.2476

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1912, 0.4779, 0.2406 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(240, 0, 132)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 132)  
}
```

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(240, 0, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 132) }
```

Border

The CSS property to change the border of an element to Yxy 20.1912, 0.4779, 0.2406 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(240, 0, 132) }
```

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

```
.border{ border-color:rgb(240, 0, 132) }
```

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

Here you see how a box with a 4 pixel rgb(240, 0, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 132);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1912, 0.4779, 0.2406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 0, 132) }
```

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

```
.background{ background-color: rgb(240, 0,  
132) }
```

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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