

Converting Colors

$Yxy(19.9553, 0.4940, 0.2495)$

Have a look what the booklet for
Yxy(19.9553, 0.4940, 0.2495)
contains.

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Color

Yxy(19.9553, 0.4940, 0.2495)

Conversions

Conversions Part 1

Format	Color
Hex	F0007B
RGB	240, 0, 123
RGB Percent	94%, 0%, 48%
CMY	0.0588, 0.9998, 0.5176
CMYK	0.00, 1.00, 0.49, 0.06
HSL	329°, 100%, 47%
HSV	329°, 100%, 94%
XYZ	39.5107, 19.9553, 20.5152
YIQ	85.7820, 103.5570, 89.1330

Conversions

Conversions Part 2

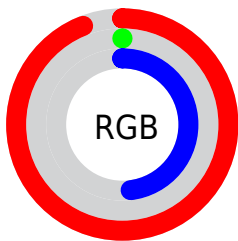
Format	Color
R_{YB}	240, 0, 123
Decimal	15728763
CIE _{Lab}	51.79, 80.98, 2.22
CIE _{LCh}	52, 81.007, 1.568
Yxy	19.9553, 0.4940, 0.2495
Android (android.graphics.Color)	4293918843 (0xFFFF007B)
YUV	85.7820, 18.3485, 135.2492
Hunter-Lab	44.6714, 79.7039, 4.0412

Details

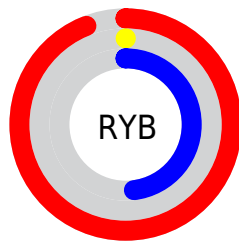
The Yxy color **19.9553, 0.4940, 0.2495** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **63.6038, 0.2744, 0.5077**, and the grayscale version is **9.2086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7209, 0.4091, 0.2518**, and **9.8551, 0.5273, 0.2679** is the 20% darker color. If you saturate the color by 10%, you get **19.9547, 0.4940, 0.2495**, and if you desaturate by 10%, it is **20.9216, 0.4709, 0.2426**.

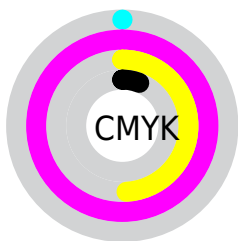
Distribution



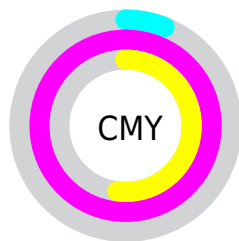
- Red (94%)
- Green (0%)
- Blue (48%)



- Red (94%)
- Yellow (0%)
- Blue (48%)



- Cyan (0%)
- Magenta (100%)
- Yellow (49%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9553, 0.4940, 0.2495 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 19.9553, 0.4940, 0.2495 by changing the saturation by 10% instead.


 19.9553, 0.4940,
0.2495


 19.9553, 0.4940,
0.2495


251.6730, 0.3924,
0.2946


 12.3626, 0.5229,
0.2364


 43.3422, 0.4544,
0.2672


 6.9911, 0.5619,
0.2187


 59.9052, 0.4404,
0.2735


 3.4565, 0.6168,
0.1934

 80.2270, 0.4288,
0.2786

 1.3745, 0.6971,
0.1558

 104.6921, 0.4191,
0.2829

 0.1978, 0.9202,
0.0611

 133.6849, 0.4109,
0.2865

 0.0000, 1.0000,
0.0000

 167.5897, 0.4039,

 0.0000, 0.0000,

0.2896

0.0000

206.7909, 0.3978,
0.2923

■ 19.9553, 0.4940,
0.2495

■ 19.9553, 0.4940,
0.2495

■ 19.9547, 0.4940,
0.2495

■ 20.9216, 0.4709,
0.2426

■ 22.7314, 0.4468,
0.2406

■ 25.6391, 0.4229,
0.2440

■ 29.7955, 0.4002,
0.2518

■ 35.3278, 0.3795,
0.2627

■ 42.3471, 0.3614,
0.2754

■ 50.9530, 0.3459,
0.2891

■ 61.2365, 0.3327,
0.3029

■ 73.2818, 0.3218,
0.3163

Harmonies

Analogous

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



19.9553, 0.3393, 0.1855



19.9553, 0.4940, 0.2495



19.9553, 0.5835, 0.3250

Triad

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



19.9553, 0.4940, 0.2495



19.9553, 0.3559, 0.5993



19.9553, 0.1009, 0.1623

Complementary

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



19.9553, 0.4940, 0.2495



63.6038, 0.2744, 0.5077

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.



19.9553, 0.1013, 0.2393



19.9553, 0.4940, 0.2495



19.9553, 0.2364, 0.5752

Square

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



19.9553, 0.4940, 0.2495



19.9553, 0.4744, 0.5107



19.9553, 0.1430, 0.3983



19.9553, 0.1340, 0.1378

Rectangle

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



19.9553, 0.4940, 0.2495



19.9553, 0.5811, 0.3795



19.9553, 0.1430, 0.3983



19.9553, 0.0973, 0.1806

Sweetspot

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



19.9565, 0.4940, 0.2495



58.3467, 0.3460, 0.2889



10.0070, 0.1975, 0.0862



11.5474, 0.3523, 0.2831



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.



19.9565, 0.4940, 0.2495



22.8901, 0.4947, 0.2499



18.5348, 0.6388, 0.3293



15.8941, 0.3213, 0.3170



10.9508, 0.4905, 0.2476



0.9311, 0.4621, 0.2319

Inverse Universe

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



19.9565, 0.4940, 0.2495



22.8901, 0.4947, 0.2499



68.3747, 0.2261, 0.3339



15.8941, 0.3213, 0.3170



10.9508, 0.4905, 0.2476



0.9311, 0.4621, 0.2319

Previews

White Background



This preview shows how the Yxy color 19.9553, 0.4940, 0.2495 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 19.9553, 0.4940, 0.2495 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 19.9553, 0.4940, 0.2495

Background



This preview shows how black text looks on a background with the Yxy color 19.9553, 0.4940, 0.2495.



This preview shows how white text looks on a background with the Yxy color 19.9553, 0.4940, 0.2495.

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

19.9553, 0.4940, 0.2495

Protanopia

20.5684, 0.2453, 0.2369

Deuteranopia

20.6178, 0.3490, 0.3431



Tritanopia

20.2512, 0.5903, 0.3298

Trichromacy



Original Color

19.9553, 0.4940, 0.2495



Protanomaly

14.9853, 0.3156, 0.2092



Deuteranomaly

16.0571, 0.4110, 0.2725



Tritanomaly

19.5063, 0.5658, 0.3006

Monochromacy



Original Color

19.9553, 0.4940, 0.2495



Achromatopsia

9.3059, 0.3127, 0.3290



Achromatomaly

9.3840, 0.3993, 0.2537

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9553, 0.4940, 0.2495 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, 123)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 123)  
}
```

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, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 123) }
```

Border

The CSS property to change the border of an element to Yxy 19.9553, 0.4940, 0.2495 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, 123) }
```

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

```
.border{ border-color:rgb(240, 0, 123) }
```

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, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 123);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9553, 0.4940, 0.2495 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, 123) }
```

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

```
.background{ background-color: rgb(240, 0,  
123) }
```

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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