

Converting Colors

$Yxy(19.7527, 0.5447, 0.2774)$

Have a look what the booklet for
Yxy(19.7527, 0.5447, 0.2774)
contains.

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Color

Yxy(19.7035, 0.5450, 0.2776)

Conversions

Conversions Part 1

Format	Color
Hex	F2005F
RGB	242, 0, 95
RGB Percent	95%, 0%, 37%
CMY	0.0510, 0.9997, 0.6274
CMYK	0.00, 1.00, 0.61, 0.05
HSL	336°, 100%, 47%
HSV	336°, 100%, 95%
XYZ	38.6830, 19.7035, 12.5915
YIQ	83.1880, 113.7370, 80.8490

Conversions

Conversions Part 2

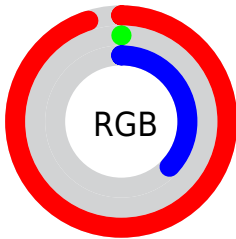
Format	Color
R_{YB}	242, 0, 95
Decimal	15859807
CIE _{Lab}	51.50, 79.59, 18.94
CIE _{LCh}	52, 81.809, 13.386
Yxy	19.7035, 0.5450, 0.2776
Android (android.graphics.Color)	4294049887 (0xFFFF2005F)
YUV	83.1880, 5.8233, 139.2781
Hunter-Lab	44.3886, 77.8760, 14.2535

Details

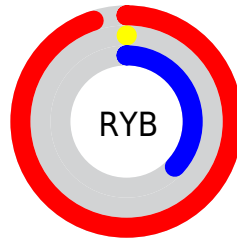
The Yxy color **19.7035, 0.5450, 0.2776** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated red. A complement of this color would be **65.6119, 0.2626, 0.4654**, and the grayscale version is **8.6706, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6701, 0.4494, 0.2817**, and **9.6953, 0.5822, 0.2981** is the 20% darker color. If you saturate the color by 10%, you get **19.7021, 0.5451, 0.2776**, and if you desaturate by 10%, it is **20.6610, 0.5164, 0.2684**.

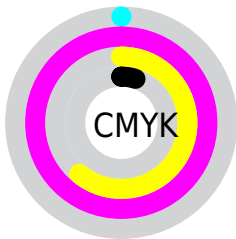
Distribution



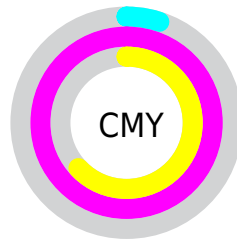
- Red (95%)
- Green (0%)
- Blue (37%)



- Red (95%)
- Yellow (0%)
- Blue (37%)



- Cyan (0%)
- Magenta (100%)
- Yellow (61%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7035, 0.5450, 0.2776 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 19.7035, 0.5450, 0.2776 by changing the saturation by 10% instead.


 19.7035, 0.5450,
0.2776


 19.7035, 0.5450,
0.2776


250.3054, 0.4140,
0.3123


 12.1797, 0.5816,
0.2654


 42.9195, 0.4941,
0.2927

 6.8662, 0.6301,
0.2475


 59.3805, 0.4760,
0.2976


 3.3786, 0.6952,
0.2201

 79.5894, 0.4610,
0.3015

 1.3324, 0.8092,
0.1823

 103.9305, 0.4485,
0.3045

 0.1661, 0.9446,
0.0554

 132.7883, 0.4378,
0.3070

 0.0000, 1.0000,
0.0000

 166.5471, 0.4287,

 0.0000, 0.0000,

0.3091

0.0000

205.5914, 0.4209,
0.3108

■ 19.7035, 0.5450,
0.2776

■ 19.7035, 0.5450,
0.2776

■ 19.7021, 0.5451,
0.2776

■ 20.6610, 0.5164,
0.2684

■ 22.4956, 0.4853,
0.2640

■ 25.4671, 0.4537,
0.2647

■ 29.7306, 0.4238,
0.2698

■ 35.4170, 0.3968,
0.2778

■ 42.6407, 0.3734,
0.2877

■ 51.5045, 0.3537,
0.2982

■ 62.1021, 0.3373,
0.3089

■ 74.5202, 0.3238,
0.3193

Harmonies

Analogous

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



19.7035, 0.4025, 0.2070



19.7035, 0.5450, 0.2776



19.7035, 0.5907, 0.3558

Triad

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



19.7035, 0.5450, 0.2776



19.7035, 0.3069, 0.6147



19.7035, 0.1080, 0.1461

Complementary

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



19.7035, 0.5450, 0.2776



65.6119, 0.2626, 0.4654

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.



19.7035, 0.0952, 0.1988



19.7035, 0.5450, 0.2776



19.7035, 0.1924, 0.5192

Square

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



19.7035, 0.5450, 0.2776



19.7035, 0.4293, 0.5527



19.7035, 0.1185, 0.3251



19.7035, 0.1563, 0.1361

Rectangle

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



19.7035, 0.5450, 0.2776



19.7035, 0.5624, 0.4145



19.7035, 0.1185, 0.3251



19.7035, 0.1002, 0.1578

Sweetspot

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



19.7047, 0.5450, 0.2776



57.8797, 0.3539, 0.2981



12.4530, 0.2217, 0.0995



11.4375, 0.3618, 0.2936



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.



19.7047, 0.5450, 0.2776



22.1812, 0.5458, 0.2780



19.5414, 0.6336, 0.3351



15.8616, 0.3232, 0.3198



10.6094, 0.5408, 0.2753



0.9016, 0.5057, 0.2559

Inverse Universe

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



19.7047, 0.5450, 0.2776



22.1812, 0.5458, 0.2780



56.4530, 0.2158, 0.2968



15.8616, 0.3232, 0.3198



10.6094, 0.5408, 0.2753



0.9016, 0.5057, 0.2559

Previews

White Background



This preview shows how the Yxy color 19.7035, 0.5450, 0.2776 looks on a white background.

Color Contrast Check

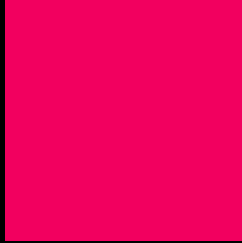
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7035, 0.5450, 0.2776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

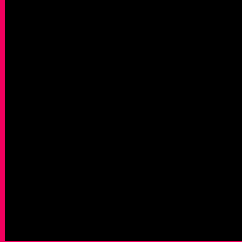
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7035, 0.5450, 0.2776

Background



This preview shows how black text looks on a background with the Yxy color 19.7035, 0.5450, 0.2776.

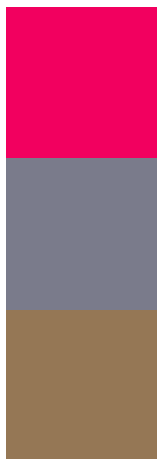


This preview shows how white text looks on a background with the Yxy color 19.7035, 0.5450, 0.2776.

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

19.7035, 0.5450, 0.2776

Protanopia

20.1676, 0.2941, 0.3001

Deuteranopia

20.2391, 0.3946, 0.3871



Tritanopia

20.0389, 0.6099, 0.3308

Trichromacy



Original Color

19.7035, 0.5450, 0.2776



Protanomaly

14.9858, 0.3832, 0.2607



Deuteranomaly

15.9574, 0.4676, 0.3120



Tritanomaly

19.6494, 0.5957, 0.3135

Monochromacy



Original Color

19.7035, 0.5450, 0.2776



Achromatopsia

8.6500, 0.3127, 0.3290



Achromatomaly

8.8970, 0.4252, 0.2707

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7035, 0.5450, 0.2776 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, 0, 95)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 95)  
}
```

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, 0, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 95) }
```

Border

The CSS property to change the border of an element to Yxy 19.7035, 0.5450, 0.2776 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, 0, 95) }
```

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

```
.border{ border-color:rgb(242, 0, 95) }
```

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

Here you see how a box with a 4 pixel rgb(242, 0, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 95);  
box-shadow:4px 4px 4px 4px rgb(242, 0, 95)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.7035, 0.5450, 0.2776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 95) }
```

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

```
.background{ background-color: rgb(242, 0,  
95) }
```

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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