

# Converting Colors

$Y_{xy}(22.5388, 0.5434, 0.2800)$

Have a look what the booklet for  
Yxy(22.5388, 0.5434, 0.2800)  
contains.

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**Color**

**Yxy(22.5217, 0.5441, 0.2804)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF0F64
RGB	255, 15, 100
RGB Percent	100%, 6%, 39%
CMY	0.0001, 0.9401, 0.6079
CMYK	0.00, 0.94, 0.61, 0.00
HSL	339°, 100%, 53%
HSV	339°, 94%, 100%
XYZ	43.7021, 22.5217, 14.0961
YIQ	96.4500, 115.7550, 77.3150

# Conversions

## Conversions Part 2

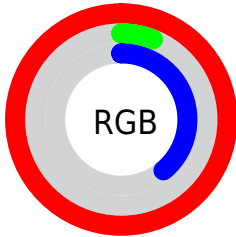
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 15, 100
Decimal	16715620
CIE <sub>Lab</sub>	54.58, 81.71, 20.51
CIE <sub>LCh</sub>	55, 84.241, 14.089
Yxy	22.5217, 0.5441, 0.2804
Android (android.graphics.Color)	4294905700 (0xFFFF0F64)
YUV	96.4500, 1.7502, 139.0483
Hunter-Lab	47.4570, 81.3266, 15.6090

# Details

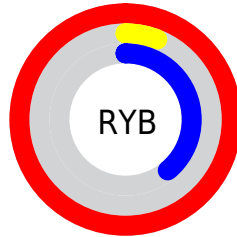
The Yxy color **22.5217, 0.5441, 0.2804** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **74.5157, 0.2573, 0.4435**, and the grayscale version is **11.8240, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9648, 0.4403, 0.2818**, and **11.2135, 0.5822, 0.2981** is the 20% darker color. If you saturate the color by 10%, you get **21.9942, 0.5613, 0.2866**, and if you desaturate by 10%, it is **24.0955, 0.5123, 0.2731**.

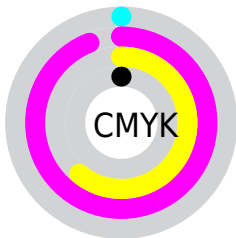
# Distribution



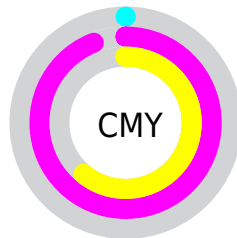
- Red (100%)
- Green (6%)
- Blue (39%)



- Red (100%)
- Yellow (6%)
- Blue (39%)



- Cyan (0%)
- Magenta (94%)
- Yellow (61%)
- Black (0%)




- Cyan (0%)
- Magenta (94%)
- Yellow (61%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 22.5217, 0.5441, 0.2804 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 22.5217, 0.5441, 0.2804 by changing the saturation by 10% instead.




 22.5217, 0.5441,  
0.2804


 22.5217, 0.5441,  
0.2804


265.2587, 0.4161,  
0.3132


 14.2407, 0.5788,  
0.2691


 47.6068, 0.4952,  
0.2946


 8.2883, 0.6242,  
0.2527


 65.1796, 0.4774,  
0.2992

 4.2800, 0.6843,  
0.2280

 86.6186, 0.4627,  
0.3029

 1.8314, 0.7745,  
0.1917

 112.3081, 0.4504,  
0.3058

 0.5066, 0.8813,  
0.1187

 142.6324, 0.4399,  
0.3082

 0.0000, 1.0000,  
0.0000

177.9761, 0.4308,

 0.0000, 0.0000,

0.3101

0.0000

218.7234, 0.4230,  
0.3118

■ 22.5217, 0.5441,  
0.2804

■ 22.5217, 0.5441,  
0.2804

■ 21.9942, 0.5613,  
0.2866

■ 24.0955, 0.5123,  
0.2731

■ 26.8732, 0.4783,  
0.2710

■ 31.0503, 0.4449,  
0.2736

■ 36.7863, 0.4143,  
0.2796

■ 44.2186, 0.3874,  
0.2879

■ 53.4695, 0.3645,  
0.2973

■ 64.6499, 0.3455,  
0.3070

■ 77.8617, 0.3299,  
0.3165

■ 93.1998, 0.3172,  
0.3255

# Harmonies

## Analogous

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



22.5217, 0.4051, 0.2099



22.5217, 0.5441, 0.2804



22.5217, 0.5872, 0.3585

# Triad

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



22.5217, 0.5441, 0.2804



22.5217, 0.3052, 0.6103



22.5217, 0.1106, 0.1474

# Complementary

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



22.5217, 0.5441, 0.2804



74.5157, 0.2573, 0.4435

# 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.



22.5217, 0.0971, 0.1988



22.5217, 0.5441, 0.2804



22.5217, 0.1921, 0.5116

# Square

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



22.5217, 0.5441, 0.2804



22.5217, 0.4261, 0.5527



22.5217, 0.1196, 0.3216



22.5217, 0.1596, 0.1381



# Rectangle

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



22.5217, 0.5441, 0.2804



22.5217, 0.5585, 0.4171



22.5217, 0.1196, 0.3216



22.5217, 0.1025, 0.1588

# Sweetspot

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



22.5231, 0.5441, 0.2804



59.9703, 0.3527, 0.3031



15.7912, 0.2344, 0.1083



11.8244, 0.3611, 0.2989



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.



22.5231, 0.5441, 0.2804



22.0003, 0.5613, 0.2866



23.3405, 0.6189, 0.3411



18.0931, 0.3238, 0.3206



11.5212, 0.5570, 0.2842



1.1416, 0.5255, 0.2669



# Inverse Universe

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



22.5231, 0.5441, 0.2804



22.0003, 0.5613, 0.2866



60.1017, 0.2140, 0.2882



18.0931, 0.3238, 0.3206



11.5212, 0.5570, 0.2842



1.1416, 0.5255, 0.2669



# Previews

## White Background



This preview shows how the Yxy color 22.5217, 0.5441, 0.2804 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

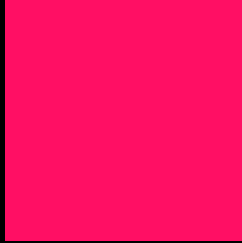
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 22.5217, 0.5441, 0.2804 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

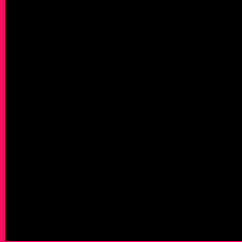
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 22.5217, 0.5441, 0.2804**

## Background



This preview shows how black text looks on a background with the Yxy color 22.5217, 0.5441, 0.2804.



This preview shows how white text looks on a background with the Yxy color 22.5217, 0.5441, 0.2804.

# 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

22.5217, 0.5441, 0.2804

### Protanopia

22.7554, 0.2971, 0.3032

### Deuteranopia

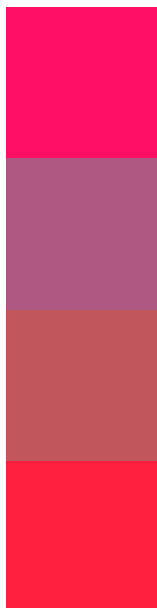
22.8111, 0.3953, 0.3892



## Tritanopia

22.6918, 0.6082, 0.3308

# Trichromacy



## Original Color

22.5217, 0.5441, 0.2804

## Protanomaly

17.6784, 0.3827, 0.2692

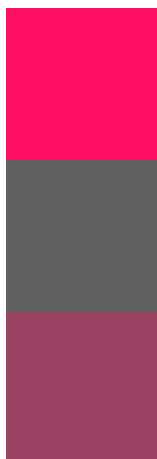
## Deuteranomaly

18.7833, 0.4656, 0.3204

## Tritanomaly

22.4517, 0.5921, 0.3146

# Monochromacy



## Original Color

22.5217, 0.5441, 0.2804

## Achromatopsia

11.9538, 0.3127, 0.3290

## Achromatomaly

11.7662, 0.4155, 0.2788

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 22.5217, 0.5441, 0.2804 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(255, 15, 100)` looks like.

```
.text, #text, p{  
  color:rgb(255, 15, 100)  
}
```

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(255, 15, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 15, 100) }
```

## Border

The CSS property to change the border of an element to Yxy 22.5217, 0.5441, 0.2804 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(255, 15, 100) }
```

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

```
.border{ border-color:rgb(255, 15, 100) }
```

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

Here you see how a box with a 4 pixel rgb(255, 15, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 15, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 15, 100);  
box-shadow:4px 4px 4px 4px rgb(255, 15,  
100) }
```



# Background

The CSS property to change the background color of an element to Yxy 22.5217, 0.5441, 0.2804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 15, 100) }
```

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

```
.background{ background-color: rgb(255, 15,  
100) }
```

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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