

# Converting Colors

$Yxy(20.3405, 0.5281, 0.2837)$

Have a look what the booklet for  
Yxy(20.3405, 0.5281, 0.2837)  
contains.

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**Color**

**Yxy(20.3374, 0.5281, 0.2837)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ED2762
RGB	237, 39, 98
RGB Percent	93%, 15%, 38%
CMY	0.0706, 0.8471, 0.6156
CMYK	0.00, 0.84, 0.59, 0.07
HSL	342°, 85%, 54%
HSV	342°, 84%, 93%
XYZ	37.8575, 20.3374, 13.4914
YIQ	104.9280, 99.0690, 60.3250

# Conversions

## Conversions Part 2

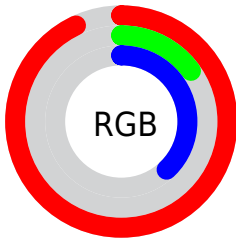
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	237, 39, 98
Decimal	15542114
CIE <sub>Lab</sub>	52.22, 73.84, 17.91
CIE <sub>LCh</sub>	52, 75.985, 13.631
Yxy	20.3374, 0.5281, 0.2837
Android (android.graphics.Color)	4293732194 (0xFFED2762)
YUV	104.9280, -3.4155, 115.8271
Hunter-Lab	45.0970, 70.9254, 13.8305

# Details

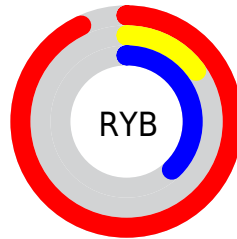
The Yxy color **20.3374, 0.5281, 0.2837** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed rose. A complement of this color would be **64.2163, 0.2513, 0.4121**, and the grayscale version is **14.0958, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.1232, 0.4405, 0.2893**, and **9.2466, 0.5756, 0.2945** is the 20% darker color. If you saturate the color by 10%, you get **18.9555, 0.5618, 0.2910**, and if you desaturate by 10%, it is **22.7571, 0.4913, 0.2812**.

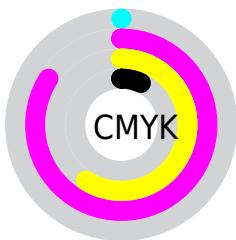
# Distribution



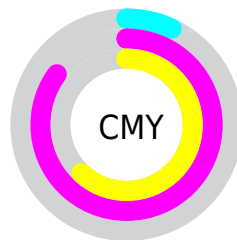
- Red (93%)
- Green (15%)
- Blue (38%)



- Red (93%)
- Yellow (15%)
- Blue (38%)



- Cyan (0%)
- Magenta (84%)
- Yellow (59%)
- Black (7%)



- Cyan (7%)
- Magenta (85%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 20.3374, 0.5281, 0.2837 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 20.3374, 0.5281, 0.2837 by changing the saturation by 10% instead.





 20.3374, 0.5281,  
0.2837


 20.3374, 0.5281,  
0.2837


253.7358, 0.4066,  
0.3143


 12.6405, 0.5623,  
0.2729


 43.9821, 0.4808,  
0.2970

 7.1815, 0.6080,  
0.2569

 60.6988, 0.4640,  
0.3014

 3.5759, 0.6703,  
0.2321

 81.1909, 0.4501,  
0.3047

 1.4393, 0.7738,  
0.1961

 105.8427, 0.4385,  
0.3074

 0.2454, 0.9164,  
0.0836

 135.0387, 0.4287,  
0.3096

 0.0000, 1.0000,  
0.0000

169.1633, 0.4203,

 0.0000, 0.0000,

0.3114

0.0000

208.6009, 0.4130,  
0.3130

■ 20.3374, 0.5281,  
0.2837

■ 20.3374, 0.5281,  
0.2837

■ 18.9555, 0.5618,  
0.2910

■ 22.7571, 0.4913,  
0.2812


■ 18.4559, 0.5808,  
0.2973

■ 26.3716, 0.4549,  
0.2829


■ 31.3146, 0.4215,  
0.2879

■ 37.7011, 0.3923,  
0.2948

■ 45.6334, 0.3676,  
0.3027

 55.2045, 0.3472,  
0.3108

 66.5000, 0.3305,  
0.3188

 79.5995, 0.3169,  
0.3264

 94.5776, 0.3058,  
0.3335

# Harmonies

## Analogous

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



20.3374, 0.3976, 0.2153



20.3374, 0.5281, 0.2837



20.3374, 0.5729, 0.3603

# Triad

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



20.3374, 0.5281, 0.2837



20.3374, 0.3117, 0.5912



20.3374, 0.1186, 0.1566

# Complementary

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



20.3374, 0.5281, 0.2837



64.2163, 0.2513, 0.4121

# 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.



20.3374, 0.1064, 0.2083



20.3374, 0.5281, 0.2837



20.3374, 0.2021, 0.5000

# Square

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



20.3374, 0.5281, 0.2837



20.3374, 0.4270, 0.5425



20.3374, 0.1302, 0.3263



20.3374, 0.1661, 0.1464



# Rectangle

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



20.3374, 0.5281, 0.2837



20.3374, 0.5491, 0.4170



20.3374, 0.1302, 0.3263



20.3374, 0.1109, 0.1682

# Sweetspot

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



20.3386, 0.5281, 0.2837



63.2966, 0.3501, 0.3096



16.9837, 0.2580, 0.1278



12.6697, 0.3571, 0.3067



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.



20.3386, 0.5281, 0.2837



21.7820, 0.5818, 0.2979



23.6862, 0.5747, 0.3576



15.1279, 0.3246, 0.3220



10.0959, 0.5766, 0.2950



0.8092, 0.5372, 0.2733



# Inverse Universe

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



20.3386, 0.5281, 0.2837



21.7820, 0.5818, 0.2979



46.6622, 0.2127, 0.2744



15.1279, 0.3246, 0.3220



10.0959, 0.5766, 0.2950

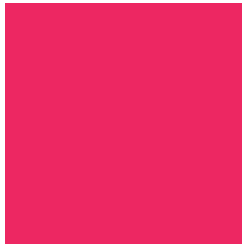


0.8092, 0.5372, 0.2733



# Previews

## White Background



This preview shows how the Yxy color 20.3374, 0.5281, 0.2837 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 20.3374, 0.5281, 0.2837 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

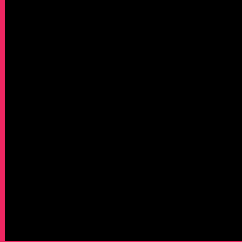
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 20.3374, 0.5281, 0.2837**

## Background



This preview shows how black text looks on a background with the Yxy color 20.3374, 0.5281, 0.2837.



This preview shows how white text looks on a background with the Yxy color 20.3374, 0.5281, 0.2837.

# 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

20.3374, 0.5281, 0.2837

### Protanopia

20.5065, 0.2985, 0.3056

### Deuteranopia

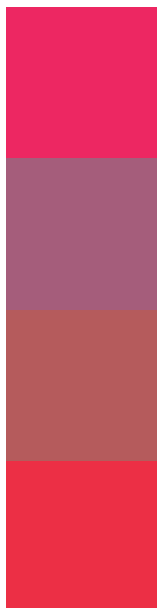
20.5438, 0.3889, 0.3821



## Tritanopia

20.3661, 0.5847, 0.3298

# Trichromacy



## Original Color

20.3374, 0.5281, 0.2837

## Protanomaly

17.2581, 0.3764, 0.2824

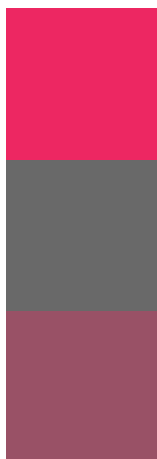
## Deuteranomaly

18.0786, 0.4486, 0.3280

## Tritanomaly

20.2956, 0.5679, 0.3142

# Monochromacy



## Original Color

20.3374, 0.5281, 0.2837

## Achromatopsia

14.1263, 0.3127, 0.3290

## Achromatomaly

13.6165, 0.3989, 0.2940

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 20.3374, 0.5281, 0.2837 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(237, 39, 98)` looks like.

```
.text, #text, p{  
  color:rgb(237, 39, 98)  
}
```

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(237, 39, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 39, 98) }
```

## Border

The CSS property to change the border of an element to Yxy 20.3374, 0.5281, 0.2837 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(237, 39, 98) }
```

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

```
.border{ border-color:rgb(237, 39, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 39, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 39, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 39, 98);  
box-shadow:4px 4px 4px 4px rgb(237, 39,  
98) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 20.3374, 0.5281, 0.2837$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 39, 98) }
```

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

```
.background{ background-color: rgb(237, 39,  
98) }
```

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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