

# Converting Colors

$Y_{xy}(28.5437, 0.4279, 0.2731)$

Have a look what the booklet for  
Yxy(28.5437, 0.4279, 0.2731)  
contains.

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# Color

**Yxy(28.4997, 0.4283, 0.2731)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EE5F94
RGB	238, 95, 148
RGB Percent	93%, 37%, 58%
CMY	0.0667, 0.6274, 0.4196
CMYK	0.00, 0.60, 0.38, 0.07
HSL	338°, 81%, 65%
HSV	338°, 60%, 93%
XYZ	44.6958, 28.4997, 31.1608
YIQ	143.7990, 68.2150, 46.7990

# Conversions

## Conversions Part 2

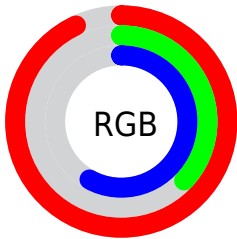
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	238, 95, 148
Decimal	15622036
CIE Lab	60.34, 59.78, -0.18
CIE LCh	60, 59.777, 359.825
Yxy	28.4997, 0.4283, 0.2731
Android (android.graphics.Color)	4293812116 (0xFFEE5F94)
YUV	143.7990, 2.0711, 82.6143
Hunter-Lab	53.3851, 56.0222, 2.7621

# Details

The Yxy color **28.4997, 0.4283, 0.2731** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **67.0827, 0.2627, 0.4001**, and the grayscale version is **27.7779, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.6575, 0.3653, 0.2765**, and **11.4909, 0.4667, 0.2537** is the 20% darker color. If you saturate the color by 10%, you get **24.4040, 0.4596, 0.2686**, and if you desaturate by 10%, it is **33.9691, 0.4002, 0.2806**.

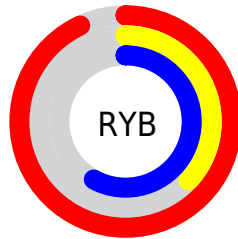
# Distribution



Red (93%)

Green (37%)

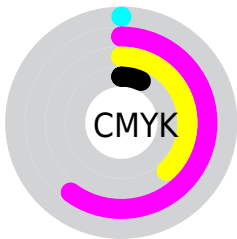
Blue (58%)



Red (93%)

Yellow (37%)

Blue (58%)

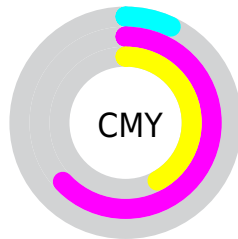


Cyan (0%)

Magenta (60%)

Yellow (38%)

Black (7%)



Cyan (7%)

Magenta (63%)

Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.4997, 0.4283, 0.2731 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 28.4997, 0.4283, 0.2731 by changing the saturation by 10% instead.





 28.4997, 0.4283,  
0.2731


 28.4997, 0.4283,  
0.2731


294.8470, 0.3663,  
0.3031


 18.7027, 0.4451,  
0.2650


 57.2813, 0.4048,  
0.2845


 11.4556, 0.4675,  
0.2542


 77.0346, 0.3962,  
0.2886

 6.3742, 0.4986,  
0.2392


 100.8755, 0.3891,  
0.2920

 3.0739, 0.5443,  
0.2171

 129.1883, 0.3831,  
0.2949

 1.1704, 0.6166,  
0.1824

162.3575, 0.3780,  
0.2974

 0.0374, 0.9487,  
0.0211

200.7674, 0.3736,

 0.0000, 1.0000,

0.2996

0.0000

244.8024, 0.3697,  
0.3014

0.0000, 0.0000,  
0.0000

28.4997, 0.4283,  
0.2731

28.4997, 0.4283,  
0.2731

24.4040, 0.4596,  
0.2686

33.9691, 0.4002,  
0.2806

21.5515, 0.4924,  
0.2683

40.9178, 0.3758,  
0.2898


19.7941, 0.5246,  
0.2731


49.4464, 0.3553,  
0.2998


18.8839, 0.5536,  
0.2824

59.6451, 0.3382,  
0.3099

71.5974, 0.3242,  
0.3197

 85.3812, 0.3128,  
0.3289

 96.7791, 0.3035,  
0.3311

 96.9162, 0.3023,  
0.3290

# Harmonies

## Analogous

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



28.4997, 0.3279, 0.2227



28.4997, 0.4283, 0.2731



28.4997, 0.4949, 0.3356

# Triad

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



28.4997, 0.4283, 0.2731



28.4997, 0.3654, 0.5108



28.4997, 0.1532, 0.2149

# Complementary

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



28.4997, 0.4283, 0.2731



67.0827, 0.2627, 0.4001

# 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.



28.4997, 0.1590, 0.2798



28.4997, 0.4283, 0.2731



28.4997, 0.2751, 0.4832

# Square

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



28.4997, 0.4283, 0.2731



28.4997, 0.4472, 0.4697



28.4997, 0.1999, 0.3839



28.4997, 0.1791, 0.1888



# Rectangle

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



28.4997, 0.4283, 0.2731



28.4997, 0.5042, 0.3804



28.4997, 0.1999, 0.3839



28.4997, 0.1515, 0.2317

# Sweetspot

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



28.5012, 0.4283, 0.2731



72.4070, 0.3352, 0.3119



24.4497, 0.2658, 0.1662



14.6821, 0.3397, 0.3090



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.



28.5012, 0.4283, 0.2731



27.6943, 0.4667, 0.2681



30.5239, 0.4893, 0.3466



15.8557, 0.3235, 0.3203



10.5588, 0.5496, 0.2801



0.8970, 0.5136, 0.2603



# Inverse Universe

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



28.5012, 0.4283, 0.2731



27.6943, 0.4667, 0.2681



60.4849, 0.2343, 0.3075



15.8557, 0.3235, 0.3203



10.5588, 0.5496, 0.2801



0.8970, 0.5136, 0.2603



# Previews

## White Background



This preview shows how the Yxy color 28.4997, 0.4283, 0.2731 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 28.4997, 0.4283, 0.2731 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 28.4997, 0.4283, 0.2731**

## **Background**



This preview shows how black text looks on a background with the Yxy color 28.4997, 0.4283, 0.2731.



This preview shows how white text looks on a background with the Yxy color 28.4997, 0.4283, 0.2731.

# 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

28.4997, 0.4283, 0.2731

### Protanopia

28.9087, 0.2754, 0.2770

### Deuteranopia

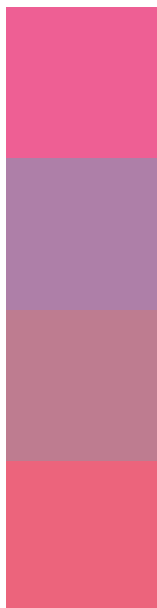
28.6542, 0.3357, 0.3291



## Tritanopia

28.4885, 0.4740, 0.3221

# Trichromacy



## Original Color

28.4997, 0.4283, 0.2731

## Protanomaly

27.0046, 0.3221, 0.2709

## Deuteranomaly

27.3761, 0.3689, 0.3016

## Tritanomaly

28.4024, 0.4577, 0.3038

# Monochromacy



## Original Color

28.4997, 0.4283, 0.2731

## Achromatopsia

27.8894, 0.3127, 0.3290

## Achromatomaly

26.4310, 0.3530, 0.3016

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.4997, 0.4283, 0.2731 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(238, 95, 148)` looks like.

```
.text, #text, p{  
    color:rgb(238, 95, 148)  
}
```

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(238, 95, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 95, 148) }
```

## Border

The CSS property to change the border of an element to Yxy 28.4997, 0.4283, 0.2731 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(238, 95, 148) }
```

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

```
.border{ border-color:rgb(238, 95, 148) }
```

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

Here you see how a box with a 4 pixel rgb(238, 95, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 95, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 95, 148);  
box-shadow:4px 4px 4px 4px rgb(238, 95,  
148) }
```



# Background

The CSS property to change the background color of an element to Yxy 28.4997, 0.4283, 0.2731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 95, 148) }
```

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

```
.background{ background-color: rgb(238, 95,  
148) }
```

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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