

# Converting Colors

$Y_{xy}(29.1368, 0.4591, 0.3122)$

Have a look what the booklet for  
Yxy(29.1368, 0.4591, 0.3122)  
contains.

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# Color

**Yxy(29.1458, 0.4580, 0.3122)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EB6979
RGB	235, 105, 121
RGB Percent	92%, 41%, 47%
CMY	0.0785, 0.5881, 0.5256
CMYK	0.00, 0.55, 0.49, 0.08
HSL	353°, 76%, 67%
HSV	353°, 55%, 92%
XYZ	42.7571, 29.1458, 21.4533
YIQ	145.6940, 72.3440, 32.5360

# Conversions

## Conversions Part 2

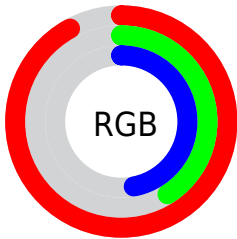
Format	Color
R <sub>Y</sub> B	235, 105, 121
Decimal	15427961
CIE Lab	60.91, 51.60, 16.22
CIE LCh	61, 54.094, 17.454
Yxy	29.1458, 0.4580, 0.3122
Android (android.graphics.Color)	4293618041 (0xFFEB6979)
YUV	145.6940, -12.1741, 78.3214
Hunter-Lab	53.9869, 46.8935, 14.2302

# Details

The Yxy color **29.1458, 0.4580, 0.3122** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **67.5251, 0.2499, 0.3492**, and the grayscale version is **28.6441, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.4187, 0.3918, 0.3155**, and **11.8762, 0.5077, 0.3011** is the 20% darker color. If you saturate the color by 10%, you get **24.5496, 0.5013, 0.3111**, and if you desaturate by 10%, it is **35.1752, 0.4194, 0.3146**.

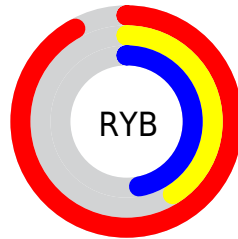
# Distribution



Red (92%)

Green (41%)

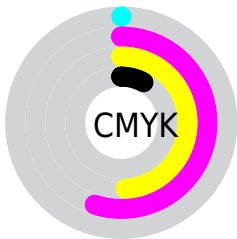
Blue (47%)



Red (92%)

Yellow (41%)

Blue (47%)

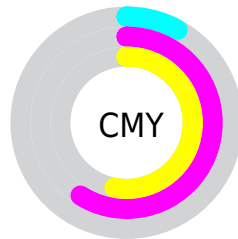


Cyan (0%)

Magenta (55%)

Yellow (49%)

Black (8%)



Cyan (8%)

Magenta (59%)

Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.1458, 0.4580, 0.3122 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 29.1458, 0.4580, 0.3122 by changing the saturation by 10% instead.




 29.1458, 0.4580,  
0.3122


 29.1458, 0.4580,  
0.3122


297.9023, 0.3793,  
0.3242

 19.1911, 0.4794,  
0.3078


 58.3087, 0.4280,  
0.3175

 11.8085, 0.5079,  
0.3013


 78.2856, 0.4172,  
0.3192

 6.6134, 0.5471,  
0.2910


 102.3722, 0.4082,  
0.3205

 3.2215, 0.6035,  
0.2734

 130.9527, 0.4006,  
0.3216

 1.2485, 0.7146,  
0.2493

164.4116, 0.3941,  
0.3224

 0.1008, 0.9357,  
0.0643

203.1332, 0.3885,

 0.0000, 1.0000,

0.3231

0.0000


247.5020, 0.3836,  
0.3237


 0.0000, 0.0000,  
0.0000

 29.1458, 0.4580,  
0.3122


 29.1458, 0.4580,  
0.3122


 24.5496, 0.5013,  
0.3111


 35.1752, 0.4194,  
0.3146

 21.2633, 0.5459,  
0.3120

 42.7388, 0.3867,  
0.3176


 19.1505, 0.5865,  
0.3152

 51.9335, 0.3598,  
0.3210

 18.0419, 0.6169,  
0.3204

 62.8470, 0.3380,  
0.3243

 17.7463, 0.6270,  
0.3228

 75.5609, 0.3205,  
0.3274

■ 90.1514, 0.3065,  
0.3303

■ 96.3984, 0.3005,  
0.3290

# Harmonies

## Analogous

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



29.1458, 0.3811, 0.2574



29.1458, 0.4580, 0.3122



29.1458, 0.4866, 0.3740

# Triad

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



29.1458, 0.4580, 0.3122



29.1458, 0.3141, 0.4853



29.1458, 0.1766, 0.2071

# Complementary

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



29.1458, 0.4580, 0.3122



67.5251, 0.2499, 0.3492

# 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.



29.1458, 0.1647, 0.2460



29.1458, 0.4580, 0.3122



29.1458, 0.2364, 0.4186

# Square

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



29.1458, 0.4580, 0.3122



29.1458, 0.3958, 0.4841



29.1458, 0.1839, 0.3214



29.1458, 0.2187, 0.1994



# Rectangle

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



29.1458, 0.4580, 0.3122



29.1458, 0.4743, 0.4160



29.1458, 0.1839, 0.3214



29.1458, 0.1693, 0.2162

# Sweetspot

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



29.1474, 0.4580, 0.3122



73.1803, 0.3415, 0.3237



30.9577, 0.3020, 0.1913



15.0758, 0.3457, 0.3230



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.



29.1474, 0.4580, 0.3122



29.0969, 0.5057, 0.3111



41.3558, 0.4445, 0.3818



15.0841, 0.3274, 0.3261



9.8886, 0.6245, 0.3214



0.7863, 0.5945, 0.3049



# Inverse Universe

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



29.1474, 0.4580, 0.3122



29.0969, 0.5057, 0.3111



44.6827, 0.2294, 0.2652



15.0841, 0.3274, 0.3261



9.8886, 0.6245, 0.3214



0.7863, 0.5945, 0.3049



# Previews

## White Background



This preview shows how the Yxy color 29.1458, 0.4580, 0.3122 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

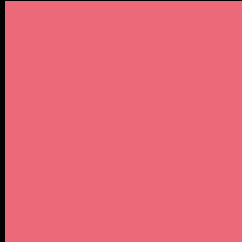
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 29.1458, 0.4580, 0.3122 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

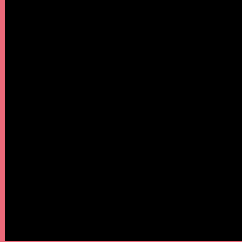
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 29.1458, 0.4580, 0.3122**

## Background



This preview shows how black text looks on a background with the Yxy color 29.1458, 0.4580, 0.3122.



This preview shows how white text looks on a background with the Yxy color 29.1458, 0.4580, 0.3122.

# 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

29.1458, 0.4580, 0.3122

### Protanopia

29.3997, 0.3218, 0.3369

### Deuteranopia

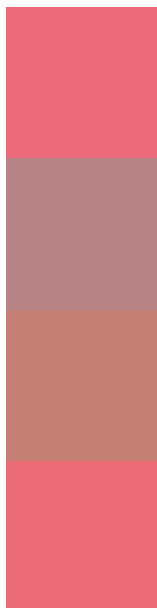
29.1718, 0.3764, 0.3679



## Tritanopia

29.0154, 0.4658, 0.3208

# Trichromacy



## Original Color

29.1458, 0.4580, 0.3122

## Protanomaly

28.1688, 0.3689, 0.3263

## Deuteranomaly

28.4585, 0.4074, 0.3441

## Tritanomaly

29.0848, 0.4618, 0.3175

# Monochromacy



## Original Color

29.1458, 0.4580, 0.3122

## Achromatopsia

28.7441, 0.3127, 0.3290

## Achromatomaly

27.5037, 0.3611, 0.3204

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.1458, 0.4580, 0.3122 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(235, 105, 121)` looks like.

```
.text, #text, p{  
    color:rgb(235, 105, 121)  
}
```

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(235, 105, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 105, 121) }
```

## Border

The CSS property to change the border of an element to Yxy 29.1458, 0.4580, 0.3122 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(235, 105, 121) }
```

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

```
.border{ border-color:rgb(235, 105, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 105, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 105, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 105, 121);  
box-shadow:4px 4px 4px 4px rgb(235, 105,  
121) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.1458, 0.4580, 0.3122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 105, 121) }
```

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

```
.background{ background-color: rgb(235,  
105, 121) }
```

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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