

# Converting Colors

$Y_{xy}(28.8895, 0.3974, 0.2594)$

Have a look what the booklet for  
Yxy(28.8895, 0.3974, 0.2594)  
contains.

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**Color**

**Yxy(28.9766, 0.3968, 0.2595)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E765A4
RGB	231, 101, 164
RGB Percent	91%, 40%, 64%
CMY	0.0941, 0.6039, 0.3569
CMYK	0.00, 0.56, 0.29, 0.09
HSL	331°, 73%, 65%
HSV	331°, 56%, 91%
XYZ	44.3080, 28.9766, 38.3786
YIQ	147.0520, 57.2570, 47.1530

# Conversions

## Conversions Part 2

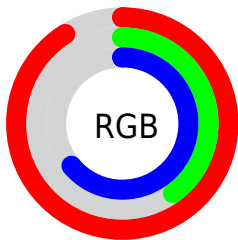
Format	Color
R <sub>Y</sub> B	231, 101, 164
Decimal	15164836
CIE Lab	60.76, 56.82, -8.93
CIE LCh	61, 57.521, 351.068
Yxy	28.9766, 0.3968, 0.2595
Android (android.graphics.Color)	4293354916 (0xFFE765A4)
YUV	147.0520, 8.3554, 73.6224
Hunter-Lab	53.8299, 52.7228, -4.5905

# Details

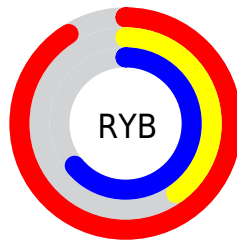
The Yxy color **28.9766, 0.3968, 0.2595** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **62.7436, 0.2720, 0.4162**, and the grayscale version is **29.1490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4884, 0.3481, 0.2659**, and **11.7419, 0.4246, 0.2393** is the 20% darker color. If you saturate the color by 10%, you get **24.6945, 0.4203, 0.2510**, and if you desaturate by 10%, it is **34.5622, 0.3758, 0.2706**.

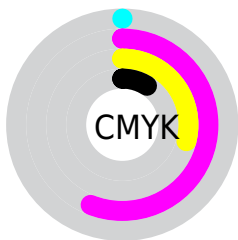
# Distribution



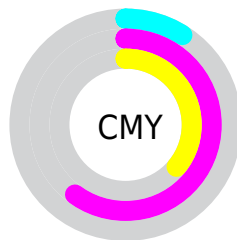
- Red (91%)
- Green (40%)
- Blue (64%)



- Red (91%)
- Yellow (40%)
- Blue (64%)



- Cyan (0%)
- Magenta (56%)
- Yellow (29%)
- Black (9%)



- Cyan (9%)
- Magenta (60%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.9766, 0.3968, 0.2595 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 28.9766, 0.3968, 0.2595 by changing the saturation by 10% instead.





 28.9766, 0.3968,  
0.2595


 28.9766, 0.3968,  
0.2595

297.1045, 0.3525,  
0.2952


 19.0631, 0.4086,  
0.2503


 58.0399, 0.3802,  
0.2727


 11.7159, 0.4241,  
0.2385


 77.9585, 0.3741,  
0.2775

 6.5505, 0.4455,  
0.2225


 101.9810, 0.3690,  
0.2817

 3.1826, 0.4767,  
0.2000

 130.4916, 0.3647,  
0.2852

 1.2278, 0.5257,  
0.1663

163.8749, 0.3610,  
0.2882

 0.0842, 0.6713,  
0.0346

202.5153, 0.3578,

 0.0000, 1.0000,

0.2908

0.0000

246.7970, 0.3550,  
0.2931

0.0000, 0.0000,  
0.0000

28.9766, 0.3968,  
0.2595

28.9766, 0.3968,  
0.2595

24.6945, 0.4203,  
0.2510

34.5622, 0.3758,  
0.2706

21.6017, 0.4456,  
0.2464

41.5439, 0.3576,  
0.2831

19.5716, 0.4715,  
0.2469


50.0110, 0.3422,  
0.2962


18.4447, 0.4965,  
0.2528

60.0440, 0.3292,  
0.3091

18.1564, 0.5056,  
0.2559

71.7176, 0.3185,  
0.3216

 85.1016, 0.3096,  
0.3333

 95.2445, 0.3024,  
0.3366

 95.7280, 0.2982,  
0.3290

# Harmonies

## Analogous

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



28.9766, 0.2999, 0.2156



28.9766, 0.3968, 0.2595



28.9766, 0.4743, 0.3178

# Triad

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



28.9766, 0.3968, 0.2595



28.9766, 0.3893, 0.4970



28.9766, 0.1569, 0.2336

# Complementary

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



28.9766, 0.3968, 0.2595



62.7436, 0.2720, 0.4162

# 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.



28.9766, 0.1724, 0.3085



28.9766, 0.3968, 0.2595



28.9766, 0.3024, 0.4919

# Square

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



28.9766, 0.3968, 0.2595



28.9766, 0.4613, 0.4481



28.9766, 0.2229, 0.4127



28.9766, 0.1732, 0.1978



# Rectangle

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



28.9766, 0.3968, 0.2595



28.9766, 0.4961, 0.3607



28.9766, 0.2229, 0.4127



28.9766, 0.1584, 0.2540

# Sweetspot

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



28.9781, 0.3968, 0.2595



74.0357, 0.3302, 0.3081



23.1864, 0.2555, 0.1702



15.2763, 0.3327, 0.3055



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.



28.9781, 0.3968, 0.2595



29.9739, 0.4255, 0.2497



27.2376, 0.4834, 0.3295



14.4838, 0.3217, 0.3177



10.2042, 0.5019, 0.2539



0.7728, 0.4685, 0.2354



# Inverse Universe

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



28.9781, 0.3968, 0.2595



29.9739, 0.4255, 0.2497



65.6854, 0.2421, 0.3288



14.4838, 0.3217, 0.3177



10.2042, 0.5019, 0.2539



0.7728, 0.4685, 0.2354



# Previews

## White Background



This preview shows how the Yxy color 28.9766, 0.3968, 0.2595 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

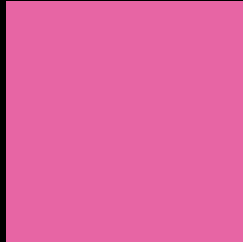
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 28.9766, 0.3968, 0.2595 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

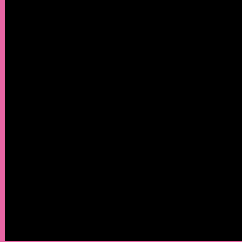
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 28.9766, 0.3968, 0.2595**

## **Background**



This preview shows how black text looks on a background with the Yxy color 28.9766, 0.3968, 0.2595.



This preview shows how white text looks on a background with the Yxy color 28.9766, 0.3968, 0.2595.

# 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

28.9766, 0.3968, 0.2595

### Protanopia

29.2142, 0.2604, 0.2562

### Deuteranopia

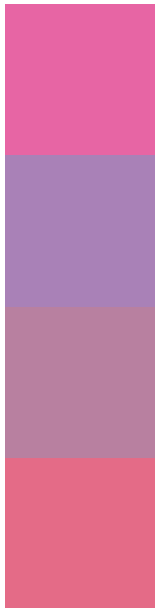
29.2473, 0.3137, 0.3078



## Tritanopia

29.0078, 0.4503, 0.3215

# Trichromacy



## Original Color

28.9766, 0.3968, 0.2595

## Protanomaly

27.5544, 0.3014, 0.2535

## Deuteranomaly

28.1668, 0.3420, 0.2848

## Tritanomaly

28.7586, 0.4306, 0.2975

# Monochromacy



## Original Color

28.9766, 0.3968, 0.2595

## Achromatopsia

29.1771, 0.3127, 0.3290

## Achromatomaly

27.7301, 0.3428, 0.2962

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.9766, 0.3968, 0.2595 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(231, 101, 164)` looks like.

```
.text, #text, p{  
    color:rgb(231, 101, 164)  
}
```

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(231, 101, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 101, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 28.9766, 0.3968, 0.2595 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(231, 101, 164) }
```

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

```
.border{ border-color:rgb(231, 101, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 101, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 101, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 101, 164);  
box-shadow:4px 4px 4px 4px rgb(231, 101,  
164) }
```



# Background

The CSS property to change the background color of an element to Yxy 28.9766, 0.3968, 0.2595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 101, 164) }
```

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

```
.background{ background-color: rgb(231,  
101, 164) }
```

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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