

# Converting Colors

$Y_{xy}(28.7675, 0.4889, 0.2965)$

Have a look what the booklet for  
Yxy(28.7675, 0.4889, 0.2965)  
contains.

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# Color

**Yxy(28.7675, 0.4889, 0.2965)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FE5478
RGB	254, 84, 120
RGB Percent	100%, 33%, 47%
CMY	0.0039, 0.6706, 0.5294
CMYK	0.00, 0.67, 0.53, 0.00
HSL	347°, 99%, 66%
HSV	347°, 67%, 100%
XYZ	47.4348, 28.7675, 20.8213
YIQ	138.9340, 89.7640, 47.2360

# Conversions

## Conversions Part 2

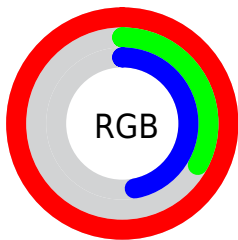
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	254, 84, 120
Decimal	16667768
CIE Lab	60.58, 66.53, 16.80
CIE LCh	61, 68.624, 14.173
Yxy	28.7675, 0.4889, 0.2965
Android (android.graphics.Color)	4294857848 (0xFFFE5478)
YUV	138.9340, -9.3345, 100.9129
Hunter-Lab	53.6353, 64.0027, 14.5283

# Details

The Yxy color **28.7675, 0.4889, 0.2965** is a light color, and the websafe version is hex **FF3366**. The color can be described as light muted rose. A complement of this color would be **77.8342, 0.2486, 0.3738**, and the grayscale version is **25.8037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5846, 0.3989, 0.2979**, and **11.5660, 0.5475, 0.2794** is the 20% darker color. If you saturate the color by 10%, you get **25.0788, 0.5303, 0.2974**, and if you desaturate by 10%, it is **33.9897, 0.4492, 0.2987**.

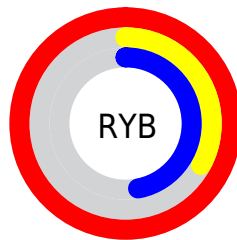
# Distribution



Red (100%)

Green (33%)

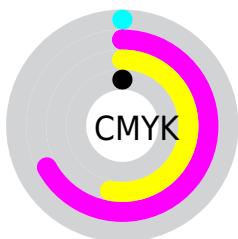
Blue (47%)



Red (100%)

Yellow (33%)

Blue (47%)

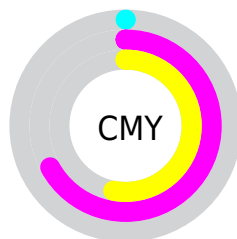


Cyan (0%)

Magenta (67%)

Yellow (53%)

Black (0%)



Cyan (0%)

Magenta (67%)


Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.7675, 0.4889, 0.2965 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 28.7675, 0.4889, 0.2965 by changing the saturation by 10% instead.





 28.7675, 0.4889,  
0.2965


 28.7675, 0.4889,  
0.2965


296.1164, 0.3938,  
0.3176


 18.9050, 0.5144,  
0.2895


 57.7075, 0.4529,  
0.3054


 11.6017, 0.5479,  
0.2795


 77.5538, 0.4398,  
0.3084

 6.4731, 0.5932,  
0.2644


 101.4968, 0.4289,  
0.3107

 3.1348, 0.6565,  
0.2402

 129.9209, 0.4197,  
0.3126

 1.2025, 0.7761,  
0.2067

163.2105, 0.4118,  
0.3142

 0.0638, 0.9691,  
0.0309

201.7500, 0.4050,


 0.0000, 1.0000,


0.3155


0.0000

245.9239, 0.3990,  
0.3166

 0.0000, 0.0000,  
0.0000

 28.7675, 0.4889,  
0.2965

 28.7675, 0.4889,  
0.2965

 25.0788, 0.5303,  
0.2974

 33.9897, 0.4492,  
0.2987


 22.7493, 0.5691,  
0.3020


 40.8850, 0.4139,  
0.3029

 21.5666, 0.6005,  
0.3100

 49.5828, 0.3838,  
0.3083

 21.3360, 0.6085,  
0.3126

 60.1982, 0.3589,  
0.3141

 72.8369, 0.3386,  
0.3198

 87.5967, 0.3222,  
0.3254

99.8117, 0.3121,  
0.3290

# Harmonies

## Analogous

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



28.7675, 0.3853, 0.2346



28.7675, 0.4889, 0.2965



28.7675, 0.5293, 0.3670

# Triad

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



28.7675, 0.4889, 0.2965



28.7675, 0.3190, 0.5368



28.7675, 0.1458, 0.1827

# Complementary

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



28.7675, 0.4889, 0.2965



77.8342, 0.2486, 0.3738

# 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.



28.7675, 0.1350, 0.2305



28.7675, 0.4889, 0.2965



28.7675, 0.2237, 0.4598

# Square

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



28.7675, 0.4889, 0.2965



28.7675, 0.4177, 0.5140



28.7675, 0.1590, 0.3286



28.7675, 0.1900, 0.1722



# Rectangle

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



28.7675, 0.4889, 0.2965



28.7675, 0.5143, 0.4172



28.7675, 0.1590, 0.3286



28.7675, 0.1386, 0.1939

# Sweetspot

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



28.7691, 0.4889, 0.2965



69.3417, 0.3444, 0.3181



28.2754, 0.2848, 0.1619



14.0683, 0.3500, 0.3165



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.



28.7691, 0.4889, 0.2965



24.4393, 0.5428, 0.2984



38.2609, 0.4970, 0.3747



18.0500, 0.3261, 0.3240



11.2654, 0.6048, 0.3106



1.1120, 0.5745, 0.2939



# Inverse Universe

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



28.7691, 0.4889, 0.2965



24.4393, 0.5428, 0.2984



53.1058, 0.2196, 0.2677



18.0500, 0.3261, 0.3240



11.2654, 0.6048, 0.3106



1.1120, 0.5745, 0.2939



# Previews

## White Background



This preview shows how the Yxy color 28.7675, 0.4889, 0.2965 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 28.7675, 0.4889, 0.2965 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 28.7675, 0.4889, 0.2965**

## Background



This preview shows how black text looks on a background with the Yxy color 28.7675, 0.4889, 0.2965.



This preview shows how white text looks on a background with the Yxy color 28.7675, 0.4889, 0.2965.

# 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

28.7675, 0.4889, 0.2965

### Protanopia

29.0880, 0.3100, 0.3211

### Deuteranopia

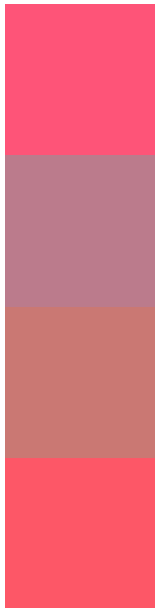
28.6967, 0.3791, 0.3711



## Tritanopia

28.8356, 0.5200, 0.3252

# Trichromacy



## Original Color

28.7675, 0.4889, 0.2965

## Protanomaly

26.6242, 0.3706, 0.3054

## Deuteranomaly

27.2273, 0.4215, 0.3359

## Tritanomaly

28.6783, 0.5097, 0.3153

# Monochromacy



## Original Color

28.7675, 0.4889, 0.2965

## Achromatopsia

25.8183, 0.3127, 0.3290

## Achromatomaly

24.6834, 0.3750, 0.3104

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.7675, 0.4889, 0.2965 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(254, 84, 120)` looks like.

```
.text, #text, p{  
    color:rgb(254, 84, 120)  
}
```

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(254, 84, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 84, 120) }
```

## Border

The CSS property to change the border of an element to Yxy 28.7675, 0.4889, 0.2965 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(254, 84, 120) }
```

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

```
.border{ border-color:rgb(254, 84, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 84, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 84, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 84, 120);  
box-shadow:4px 4px 4px 4px rgb(254, 84,  
120) }
```



# Background

The CSS property to change the background color of an element to Yxy 28.7675, 0.4889, 0.2965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 84, 120) }
```

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

```
.background{ background-color: rgb(254, 84,  
120) }
```

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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