

Converting Colors

$Y_{xy}(36.5763, 0.4167, 0.2992)$

Have a look what the booklet for
Yxy(36.5763, 0.4167, 0.2992)
contains.

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Color

Yxy(36.6673, 0.4156, 0.2991)

Conversions

Conversions Part 1

Format	Color
Hex	F57E9A
RGB	245, 126, 154
RGB Percent	96%, 49%, 60%
CMY	0.0392, 0.5058, 0.3960
CMYK	0.00, 0.49, 0.37, 0.04
HSL	346°, 86%, 73%
HSV	346°, 49%, 96%
XYZ	50.9493, 36.6673, 34.9755
YIQ	164.7730, 61.9360, 33.9360

Conversions

Conversions Part 2

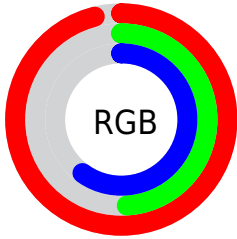
Format	Color
R_{YB}	245, 126, 154
Decimal	16088730
CIE _{Lab}	67.03, 48.29, 6.18
CIE _{LCh}	67, 48.686, 7.290
Yxy	36.6673, 0.4156, 0.2991
Android (android.graphics.Color)	4294278810 (0xFFFF57E9A)
YUV	164.7730, -5.3111, 70.3591
Hunter-Lab	60.5535, 44.2199, 8.1418

Details

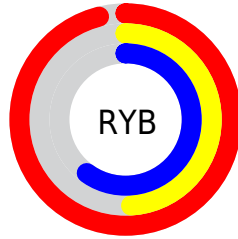
The Yxy color **36.6673, 0.4156, 0.2991** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **74.7443, 0.2614, 0.3633**, and the grayscale version is **37.5185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.8618, 0.3539, 0.3012**, and **15.9283, 0.4480, 0.2880** is the 20% darker color. If you saturate the color by 10%, you get **30.5754, 0.4504, 0.2946**, and if you desaturate by 10%, it is **44.3942, 0.3858, 0.3050**.

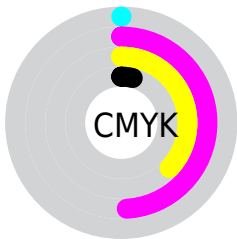
Distribution



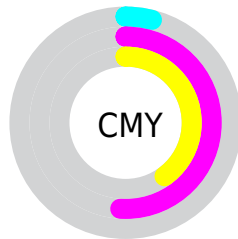
- Red (96%)
- Green (49%)
- Blue (60%)



- Red (96%)
- Yellow (49%)
- Blue (60%)



- Cyan (0%)
- Magenta (49%)
- Yellow (37%)
- Black (4%)




- Cyan (4%)
- Magenta (51%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6673, 0.4156, 0.2991 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 36.6673, 0.4156, 0.2991 by changing the saturation by 10% instead.


 36.6673, 0.4156,
0.2991

 36.6673, 0.4156,
0.2991


331.8679, 0.3619,
0.3155


 24.9500, 0.4296,
0.2946


 70.0608, 0.3956,
0.3054

 16.0398, 0.4480,
0.2885


 92.5058, 0.3883,
0.3076

 9.5523, 0.4729,
0.2800


 119.2954, 0.3821,
0.3095

 5.1032, 0.5086,
0.2672

150.8142, 0.3768,
0.3111

 2.3079, 0.5631,
0.2466

187.4464, 0.3723,
0.3124

 0.7779, 0.6718,
0.2140

229.5765, 0.3684,

 0.0000, 1.0000,

0.3136

0.0000

277.5889, 0.3650,
0.3146


 0.0000, 0.0000,
0.0000


 36.6673, 0.4156,
0.2991


 36.6673, 0.4156,
0.2991


 30.5754, 0.4504,
0.2946


 44.3942, 0.3858,
0.3050


 25.9945, 0.4892,
0.2924

 53.8571, 0.3610,
0.3114

 22.7917, 0.5294,
0.2936

 65.1556, 0.3407,
0.3178

 20.8081, 0.5669,
0.2988

 78.3799, 0.3243,
0.3240

 19.8174, 0.5976,
0.3075

 93.6144, 0.3110,
0.3298

■ 19.7132, 0.6014,
0.3087

■ 98.1509, 0.3066,
0.3290

Harmonies

Analogous

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



36.6673, 0.3447, 0.2543



36.6673, 0.4156, 0.2991



36.6673, 0.4557, 0.3523

Triad

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



36.6673, 0.4156, 0.2991



36.6673, 0.3404, 0.4636



36.6673, 0.1890, 0.2338

Complementary

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



36.6673, 0.4156, 0.2991



74.7443, 0.2614, 0.3633

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.



36.6673, 0.1881, 0.2790



36.6673, 0.4156, 0.2991



36.6673, 0.2706, 0.4256

Square

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



36.6673, 0.4156, 0.2991



36.6673, 0.4065, 0.4507



36.6673, 0.2158, 0.3507



36.6673, 0.2173, 0.2172

Rectangle

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



36.6673, 0.4156, 0.2991



36.6673, 0.4572, 0.3888



36.6673, 0.2158, 0.3507



36.6673, 0.1856, 0.2456

Sweetspot

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



36.6692, 0.4156, 0.2991



76.2346, 0.3345, 0.3200



36.0006, 0.2913, 0.2015



15.6870, 0.3382, 0.3187



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.



36.6692, 0.4156, 0.2991



33.7471, 0.4488, 0.2947



44.6124, 0.4316, 0.3615



16.5465, 0.3256, 0.3234



10.6385, 0.5976, 0.3066



0.9503, 0.5630, 0.2875

Inverse Universe

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



36.6692, 0.4156, 0.2991



33.7471, 0.4488, 0.2947



59.7546, 0.2418, 0.2922



16.5465, 0.3256, 0.3234



10.6385, 0.5976, 0.3066



0.9503, 0.5630, 0.2875

Previews

White Background



This preview shows how the Yxy color 36.6673, 0.4156, 0.2991 looks on a white background.

Color Contrast Check

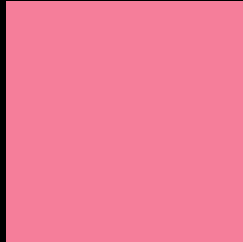
Large Text (above 18pt) WCAG AA × Fail

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 36.6673, 0.4156, 0.2991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

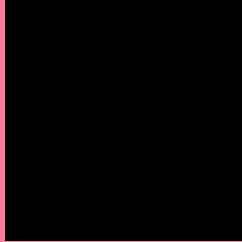
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.6673, 0.4156, 0.2991

Background



This preview shows how black text looks on a background with the Yxy color 36.6673, 0.4156, 0.2991.



This preview shows how white text looks on a background with the Yxy color 36.6673, 0.4156, 0.2991.

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

36.6673, 0.4156, 0.2991

Protanopia

37.0761, 0.3024, 0.3120

Deuteranopia

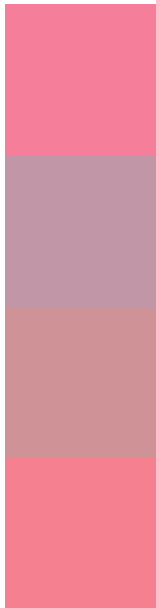
36.9379, 0.3481, 0.3415



Tritanopia

36.7686, 0.4324, 0.3196

Trichromacy



Original Color

36.6673, 0.4156, 0.2991

Protanomaly

35.9402, 0.3402, 0.3066

Deuteranomaly

36.0575, 0.3724, 0.3228

Tritanomaly

36.6851, 0.4258, 0.3120

Monochromacy



Original Color

36.6673, 0.4156, 0.2991

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

36.1758, 0.3471, 0.3159

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6673, 0.4156, 0.2991 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(245, 126, 154)` looks like.

```
.text, #text, p{  
    color:rgb(245, 126, 154)  
}
```

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(245, 126, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 126, 154) }
```

Border

The CSS property to change the border of an element to Yxy 36.6673, 0.4156, 0.2991 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(245, 126, 154) }
```

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

```
.border{ border-color:rgb(245, 126, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 126, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 126, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 126, 154);  
box-shadow:4px 4px 4px 4px rgb(245, 126,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6673, 0.4156, 0.2991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 126, 154) }
```

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

```
.background{ background-color: rgb(245,  
126, 154) }
```

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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