

Converting Colors

$Y_{xy}(42.8790, 0.3658, 0.2726)$

Have a look what the booklet for
Yxy(42.8790, 0.3658, 0.2726)
contains.

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Color

Yxy(42.8790, 0.3658, 0.2726)

Conversions

Conversions Part 1

Format	Color
Hex	F68EC3
RGB	246, 142, 195
RGB Percent	96%, 56%, 76%
CMY	0.0352, 0.4432, 0.2353
CMYK	0.00, 0.42, 0.21, 0.04
HSL	329°, 85%, 76%
HSV	329°, 42%, 96%
XYZ	57.5390, 42.8790, 56.8784
YIQ	179.1380, 44.9710, 38.5310

Conversions

Conversions Part 2

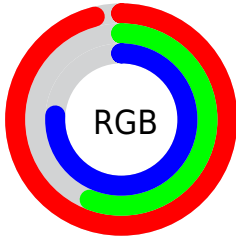
Format	Color
R_{YB}	246, 142, 195
Decimal	16158403
CIE _{Lab}	71.47, 45.93, -10.26
CIE _{LCh}	71, 47.066, 347.410
Yxy	42.8790, 0.3658, 0.2726
Android (android.graphics.Color)	4294348483 (0xFFFF68EC3)
YUV	179.1380, 7.8200, 58.6380
Hunter-Lab	65.4821, 42.2542, -5.6625

Details

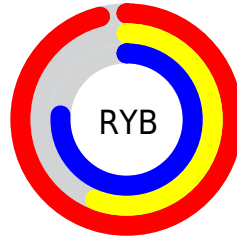
The Yxy color $42.8790, 0.3658, 0.2726$ is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be $75.5328, 0.2807, 0.3945$, and the grayscale version is $45.0967, 0.3127, 0.3290$.

A 20% lighter version of the original color is $68.6764, 0.3175, 0.2760$, and $19.7592, 0.3814, 0.2588$ is the 20% darker color. If you saturate the color by 10%, you get $35.8272, 0.3847, 0.2602$, and if you desaturate by 10%, it is $51.5945, 0.3495, 0.2861$.

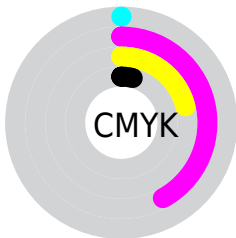
Distribution



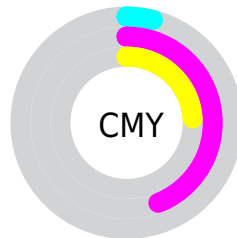
- Red (96%)
- Green (56%)
- Blue (76%)



- Red (96%)
- Yellow (56%)
- Blue (76%)



- Cyan (0%)
- Magenta (42%)
- Yellow (21%)
- Black (4%)





- Cyan (4%)
- Magenta (44%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8790, 0.3658, 0.2726 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 42.8790, 0.3658, 0.2726 by changing the saturation by 10% instead.


 42.8790, 0.3658,
0.2726

 42.8790, 0.3658,
0.2726


358.1139, 0.3396,
0.2999

 29.7902, 0.3722,
0.2661


 79.5282, 0.3563,
0.2823

 19.6794, 0.3805,
0.2578


 103.8574, 0.3528,
0.2860

 12.1622, 0.3913,
0.2471


132.7022, 0.3497,
0.2892

 6.8542, 0.4061,
0.2327

166.4470, 0.3471,
0.2919

 3.3711, 0.4277,
0.2124

205.4762, 0.3449,
0.2943

 1.3284, 0.4619,
0.1818

250.1741, 0.3429,

 0.1630, 0.5616,

0.2964

0.0676

300.9253, 0.3411,
0.2983

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

42.8790, 0.3658,
0.2726

42.8790, 0.3658,
0.2726

35.8272, 0.3847,
0.2602

51.5945, 0.3495,
0.2861

30.3245, 0.4060,
0.2500

62.0661, 0.3357,
0.2998

26.2512, 0.4293,
0.2432

74.3870, 0.3242,
0.3133

23.4673, 0.4537,
0.2411

88.6416, 0.3147,
0.3262

■ 21.8041, 0.4777,
0.2445

■ 98.3391, 0.3072,
0.3290

■ 21.0895, 0.4956,
0.2504

Harmonies

Analogous

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



42.8790, 0.2966, 0.2397



42.8790, 0.3658, 0.2726



42.8790, 0.4238, 0.3181

Triad

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



42.8790, 0.3658, 0.2726



42.8790, 0.3811, 0.4495



42.8790, 0.1943, 0.2664

Complementary

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



42.8790, 0.3658, 0.2726



75.5328, 0.2807, 0.3945

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.



42.8790, 0.2114, 0.3254



42.8790, 0.3658, 0.2726



42.8790, 0.3169, 0.4452

Square

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



42.8790, 0.3658, 0.2726



42.8790, 0.4299, 0.4173



42.8790, 0.2549, 0.3960



42.8790, 0.2038, 0.2330

Rectangle

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



42.8790, 0.3658, 0.2726



42.8790, 0.4442, 0.3519



42.8790, 0.2549, 0.3960



42.8790, 0.1970, 0.2835

Sweetspot

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



42.8810, 0.3658, 0.2726



79.6397, 0.3250, 0.3123



37.2398, 0.2715, 0.2101



16.3828, 0.3274, 0.3094



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.



42.8810, 0.3658, 0.2726



39.6860, 0.3823, 0.2616



40.9455, 0.4215, 0.3274



16.6235, 0.3213, 0.3170



11.2816, 0.4920, 0.2484



1.0123, 0.4647, 0.2334

Inverse Universe

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



42.8810, 0.3658, 0.2726



39.6860, 0.3823, 0.2616



78.2321, 0.2558, 0.3308



16.6235, 0.3213, 0.3170



11.2816, 0.4920, 0.2484



1.0123, 0.4647, 0.2334

Previews

White Background



This preview shows how the Yxy color 42.8790, 0.3658, 0.2726 looks on a white background.

Color Contrast Check

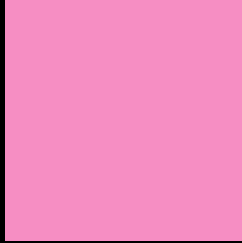
Large Text (above 18pt) WCAG AA × Fail

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 42.8790, 0.3658, 0.2726 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

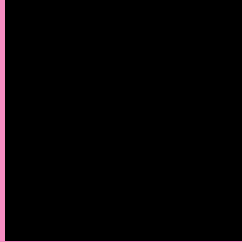
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.8790, 0.3658, 0.2726

Background



This preview shows how black text looks on a background with the Yxy color 42.8790, 0.3658, 0.2726.



This preview shows how white text looks on a background with the Yxy color 42.8790, 0.3658, 0.2726.

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

42.8790, 0.3658, 0.2726

Protanopia

43.3370, 0.2744, 0.2749

Deuteranopia

43.2826, 0.3103, 0.3045



Tritanopia

42.9102, 0.3969, 0.3171

Trichromacy



Original Color

42.8790, 0.3658, 0.2726



Protanomaly

41.9968, 0.3037, 0.2725



Deuteranomaly

42.3573, 0.3295, 0.2902



Tritanomaly

42.6296, 0.3850, 0.2996

Monochromacy



Original Color

42.8790, 0.3658, 0.2726



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

43.4717, 0.3304, 0.3055

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8790, 0.3658, 0.2726 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(246, 142, 195)` looks like.

```
.text, #text, p{  
    color:rgb(246, 142, 195)  
}
```

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(246, 142, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 142, 195) }
```

Border

The CSS property to change the border of an element to Yxy 42.8790, 0.3658, 0.2726 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(246, 142, 195) }
```

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

```
.border{ border-color:rgb(246, 142, 195) }
```

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

Here you see how a box with a 4 pixel rgb(246, 142, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 142, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 142, 195);  
box-shadow:4px 4px 4px 4px rgb(246, 142,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8790, 0.3658, 0.2726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 142, 195) }
```

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

```
.background{ background-color: rgb(246,  
142, 195) }
```

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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