

Converting Colors

$Y_{xy}(70.0064, 0.3161, 0.2912)$

Have a look what the booklet for
Yxy(70.0064, 0.3161, 0.2912)
contains.

Yxy(70.0262, 0.3160, 0.2915)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.0262, 0.3160, 0.2915)

Conversions

Conversions Part 1

Format	Color
Hex	F5CEF3
RGB	245, 206, 243
RGB Percent	96%, 81%, 95%
CMY	0.0391, 0.1922, 0.0472
CMYK	0.00, 0.16, 0.01, 0.04
HSL	303°, 66%, 88%
HSV	303°, 16%, 96%
XYZ	75.9118, 70.0262, 94.2891
YIQ	221.8790, 11.3670, 19.7750

Conversions

Conversions Part 2

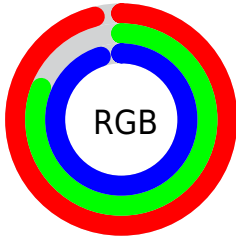
Format	Color
R_{YB}	245, 206, 243
Decimal	16109299
CIE _{Lab}	87.01, 19.90, -13.03
CIE _{LCh}	87, 23.782, 326.779
Yxy	70.0262, 0.3160, 0.2915
Android (android.graphics.Color)	4294299379 (0xFFFF5CEF3)
YUV	221.8790, 10.4127, 20.2771
Hunter-Lab	83.6817, 15.4833, -8.2284

Details

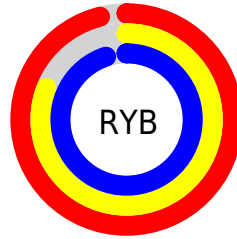
The Yxy color $70.0262, 0.3160, 0.2915$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $83.0064, 0.3095, 0.3696$, and the grayscale version is $72.8798, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $36.7357, 0.3158, 0.2834$ is the 20% darker color. If you saturate the color by 10%, you get $59.0589, 0.3183, 0.2675$, and if you desaturate by 10%, it is $82.8393, 0.3139, 0.3153$.

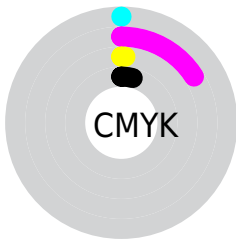
Distribution



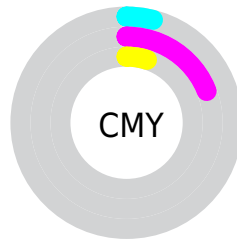
- Red (96%)
- Green (81%)
- Blue (95%)



- Red (96%)
- Yellow (81%)
- Blue (95%)



- Cyan (0%)
- Magenta (16%)
- Yellow (1%)
- Black (4%)





- Cyan (4%)
- Magenta (19%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0262, 0.3160, 0.2915 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 70.0262, 0.3160, 0.2915 by changing the saturation by 10% instead.


 70.0262, 0.3160,
0.2915

 70.0262, 0.3160,
0.2915


460.6420, 0.3147,
0.3084

 51.5479, 0.3162,
0.2877


119.2461, 0.3156,
0.2973

 36.6448, 0.3165,
0.2831


150.7565, 0.3154,
0.2996

 24.9326, 0.3168,
0.2774


187.3797, 0.3153,
0.3015

 16.0269, 0.3172,
0.2699

229.5002, 0.3151,
0.3033

 9.5432, 0.3176,
0.2601

277.5022, 0.3150,
0.3048

 5.0971, 0.3179,
0.2463

331.7703, 0.3149,

 2.3044, 0.3178,

0.3061

0.2258

392.6887, 0.3148,
0.3074

0.7760, 0.3168,
0.1915

0.0000, 0.2370,
0.0000

70.0262, 0.3160,
0.2915

70.0262, 0.3160,
0.2915

59.0589, 0.3183,
0.2675

82.8393, 0.3139,
0.3153

49.8433, 0.3207,
0.2440

97.5667, 0.3120,
0.3382

42.2908, 0.3232,
0.2220

97.6463, 0.3112,
0.3369

36.3013, 0.3257,
0.2024

97.7264, 0.3105,
0.3357

31.7643, 0.3281,
0.1861

97.8072, 0.3097,
0.3344

28.5546, 0.3304,
0.1739

97.8885, 0.3090,
0.3331

26.5259, 0.3324,
0.1661

97.9703, 0.3083,
0.3319

25.4971, 0.3342,
0.1625

98.0527, 0.3075,
0.3306

25.2508, 0.3349,
0.1618

98.1357, 0.3068,
0.3293

Harmonies

Analogous

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



70.0262, 0.2877, 0.2818



70.0262, 0.3160, 0.2915



70.0262, 0.3446, 0.3101

Triad

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



70.0262, 0.3160, 0.2915



70.0262, 0.3596, 0.3750



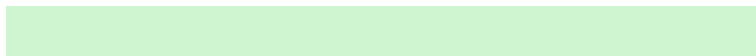
70.0262, 0.2631, 0.3207

Complementary

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



70.0262, 0.3160, 0.2915



83.0064, 0.3095, 0.3696

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.



70.0262, 0.2808, 0.3484



70.0262, 0.3160, 0.2915



70.0262, 0.3363, 0.3807

Square

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



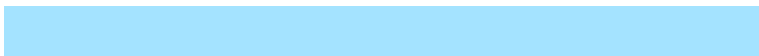
70.0262, 0.3160, 0.2915



70.0262, 0.3704, 0.3573



70.0262, 0.3074, 0.3711



70.0262, 0.2582, 0.2970

Rectangle

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



70.0262, 0.3160, 0.2915



70.0262, 0.3595, 0.3256



70.0262, 0.3074, 0.3711



70.0262, 0.2677, 0.3299

Sweetspot

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



70.0292, 0.3160, 0.2915



92.0899, 0.3137, 0.3174



64.1374, 0.2881, 0.2862



19.4822, 0.3138, 0.3158



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.



70.0292, 0.3160, 0.2915



72.7241, 0.3167, 0.2840



68.9179, 0.3299, 0.3108



16.7523, 0.3146, 0.3069



13.6049, 0.3346, 0.1617



1.2003, 0.3327, 0.1607

Inverse Universe

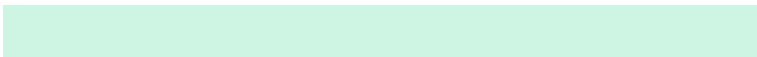
The Inverse Universe completely reimagines the original color for something new.



70.0292, 0.3160, 0.2915



72.7241, 0.3167, 0.2840



84.0215, 0.2983, 0.3479



16.7523, 0.3146, 0.3069



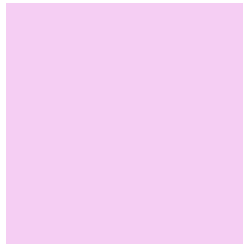
13.6049, 0.3346, 0.1617



1.2003, 0.3327, 0.1607

Previews

White Background



This preview shows how the Yxy color 70.0262, 0.3160, 0.2915 looks on a white background.

Color Contrast Check

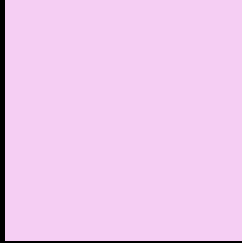
Large Text (above 18pt) WCAG AA × Fail

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 70.0262, 0.3160, 0.2915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

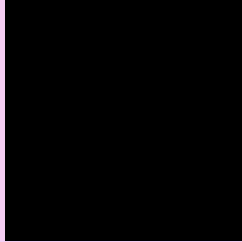
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.0262, 0.3160, 0.2915

Background



This preview shows how black text looks on a background with the Yxy color 70.0262, 0.3160, 0.2915.



This preview shows how white text looks on a background with the Yxy color 70.0262, 0.3160, 0.2915.

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

70.0262, 0.3160, 0.2915

Protanopia

70.1600, 0.2889, 0.2926

Deuteranopia

69.9918, 0.3041, 0.2975



Tritanopia

70.0919, 0.3270, 0.3124

Trichromacy



Original Color

70.0262, 0.3160, 0.2915

Protanomaly

69.8099, 0.2988, 0.2922

Deuteranomaly

69.9964, 0.3085, 0.2958

Tritanomaly

70.1710, 0.3228, 0.3043

Monochromacy



Original Color

70.0262, 0.3160, 0.2915

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

71.6479, 0.3134, 0.3142

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0262, 0.3160, 0.2915 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, 206, 243)` looks like.

```
.text, #text, p{  
    color:rgb(245, 206, 243)  
}
```

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, 206, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 206, 243) }
```

Border

The CSS property to change the border of an element to Yxy 70.0262, 0.3160, 0.2915 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, 206, 243) }
```

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

```
.border{ border-color:rgb(245, 206, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 206, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 206, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 206, 243);  
box-shadow:4px 4px 4px 4px rgb(245, 206,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 70.0262, 0.3160, 0.2915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 206, 243) }
```

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

```
.background{ background-color: rgb(245,  
206, 243) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor