

Converting Colors

$Y_{xy}(67.5006, 0.3151, 0.2970)$

Have a look what the booklet for
Yxy(67.5006, 0.3151, 0.2970)
contains.

Yxy(67.6653, 0.3157, 0.2977)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.6653, 0.3157, 0.2977)

Conversions

Conversions Part 1

Format	Color
Hex	EDCDEB
RGB	237, 205, 235
RGB Percent	93%, 80%, 92%
CMY	0.0705, 0.1961, 0.0784
CMYK	0.00, 0.14, 0.01, 0.07
HSL	304°, 47%, 87%
HSV	304°, 14%, 93%
XYZ	71.7566, 67.6653, 87.8717
YIQ	217.9880, 9.4420, 16.1140

Conversions

Conversions Part 2

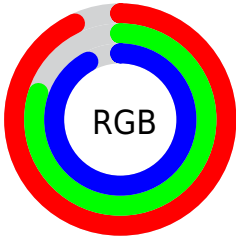
Format	Color
RYB	237, 205, 235
Decimal	15584747
CIELab	85.84, 16.32, -10.62
CIElCh	86, 19.471, 326.941
Yxy	67.6653, 0.3157, 0.2977
Android (android.graphics.Color)	4293774827 (0xFFEDCDEB)
YUV	217.9880, 8.3869, 16.6735
Hunter-Lab	82.2589, 11.7571, -5.7543

Details

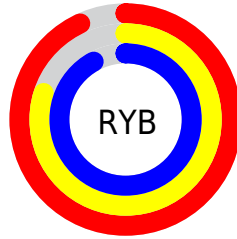
The Yxy color $67.6653, 0.3157, 0.2977$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $78.0672, 0.3098, 0.3624$, and the grayscale version is $70.0417, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $35.2116, 0.3165, 0.2912$ is the 20% darker color. If you saturate the color by 10%, you get $57.0883, 0.3182, 0.2740$, and if you desaturate by 10%, it is $79.9666, 0.3135, 0.3210$.

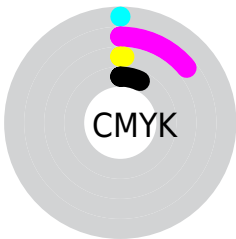
Distribution



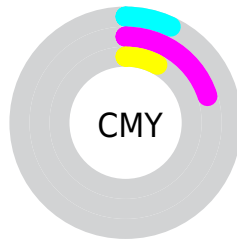
- Red (93%)
- Green (80%)
- Blue (92%)



- Red (93%)
- Yellow (80%)
- Blue (92%)



- Cyan (0%)
- Magenta (14%)
- Yellow (1%)
- Black (7%)




- Cyan (7%)
- Magenta (20%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.6653, 0.3157, 0.2977 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 67.6653, 0.3157, 0.2977 by changing the saturation by 10% instead.


 67.6653, 0.3157,
0.2977

 67.6653, 0.3157,
0.2977


452.3092, 0.3145,
0.3120

 49.6255, 0.3159,
0.2945

115.8732, 0.3153,
0.3026

 35.1159, 0.3162,
0.2905


146.8101, 0.3151,
0.3046

 23.7522, 0.3166,
0.2855


182.8148, 0.3150,
0.3062

 15.1499, 0.3170,
0.2790

224.2717, 0.3149,
0.3077

 8.9246, 0.3174,
0.2703

271.5652, 0.3147,
0.3090

 4.6921, 0.3179,
0.2580

325.0797, 0.3146,

 2.0677, 0.3183,

0.3101

385.1996, 0.3146,
0.3111

0.2391

0.6464, 0.3200,
0.2019

0.0000, 0.0000,
0.0000

67.6653, 0.3157,
0.2977

67.6653, 0.3157,
0.2977

57.0883, 0.3182,
0.2740

79.9666, 0.3135,
0.3210

48.1497, 0.3208,
0.2505

94.0556, 0.3114,
0.3434

40.7696, 0.3236,
0.2283

95.7901, 0.3105,
0.3444

34.8579, 0.3264,
0.2081

95.8794, 0.3096,
0.3429

30.3153, 0.3292,
0.1911

95.9695, 0.3088,
0.3414

27.0302, 0.3318,
0.1779

96.0603, 0.3079,
0.3399

24.8734, 0.3343,
0.1691

96.1519, 0.3071,
0.3384

23.6881, 0.3364,
0.1646

96.2442, 0.3062,
0.3369

23.2833, 0.3377,
0.1634

96.3372, 0.3054,
0.3354

Harmonies

Analogous

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



67.6653, 0.2921, 0.2895



67.6653, 0.3157, 0.2977



67.6653, 0.3392, 0.3134

Triad

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



67.6653, 0.3157, 0.2977



67.6653, 0.3515, 0.3673



67.6653, 0.2713, 0.3222

Complementary

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



67.6653, 0.3157, 0.2977



78.0672, 0.3098, 0.3624

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.



67.6653, 0.2862, 0.3449



67.6653, 0.3157, 0.2977



67.6653, 0.3323, 0.3716

Square

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



67.6653, 0.3157, 0.2977



67.6653, 0.3604, 0.3529



67.6653, 0.3083, 0.3635



67.6653, 0.2672, 0.3026

Rectangle

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



67.6653, 0.3157, 0.2977



67.6653, 0.3515, 0.3264



67.6653, 0.3083, 0.3635



67.6653, 0.2752, 0.3298

Sweetspot

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



67.6682, 0.3157, 0.2977



93.6223, 0.3136, 0.3199



62.9853, 0.2922, 0.2933



19.7905, 0.3137, 0.3181



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.



67.6682, 0.3157, 0.2977



76.5091, 0.3163, 0.2917



66.8064, 0.3269, 0.3137



15.2963, 0.3148, 0.3072



12.7164, 0.3374, 0.1633



1.0035, 0.3349, 0.1619

Inverse Universe

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



67.6682, 0.3157, 0.2977



76.5091, 0.3163, 0.2917



78.8677, 0.3005, 0.3448



15.2963, 0.3148, 0.3072



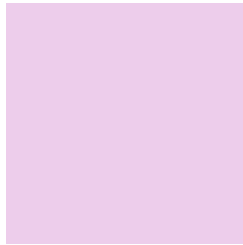
12.7164, 0.3374, 0.1633



1.0035, 0.3349, 0.1619

Previews

White Background



This preview shows how the Yxy color 67.6653, 0.3157, 0.2977 looks on a white background.

Color Contrast Check

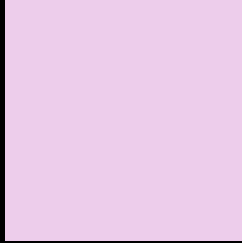
Large Text (above 18pt) WCAG AA × Fail

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 67.6653, 0.3157, 0.2977 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 67.6653, 0.3157, 0.2977

Background



This preview shows how black text looks on a background with the Yxy color 67.6653, 0.3157, 0.2977.



This preview shows how white text looks on a background with the Yxy color 67.6653, 0.3157, 0.2977.

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

67.6653, 0.3157, 0.2977

Protanopia

67.7287, 0.2936, 0.2995

Deuteranopia

67.8723, 0.3088, 0.3023



Tritanopia

67.6155, 0.3226, 0.3120

Trichromacy



Original Color

67.6653, 0.3157, 0.2977

Protanomaly

67.4819, 0.3011, 0.2988

Deuteranomaly

68.0412, 0.3118, 0.3015

Tritanomaly

67.5215, 0.3205, 0.3069

Monochromacy



Original Color

67.6653, 0.3157, 0.2977

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

68.9779, 0.3140, 0.3171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.6653, 0.3157, 0.2977 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(237, 205, 235)` looks like.

```
.text, #text, p{  
    color:rgb(237, 205, 235)  
}
```

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(237, 205, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 205, 235) }
```

Border

The CSS property to change the border of an element to Yxy 67.6653, 0.3157, 0.2977 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(237, 205, 235) }
```

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

```
.border{ border-color:rgb(237, 205, 235) }
```

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

Here you see how a box with a 4 pixel rgb(237, 205, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 205, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 205, 235);  
box-shadow:4px 4px 4px 4px rgb(237, 205,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 67.6653, 0.3157, 0.2977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 205, 235) }
```

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

```
.background{ background-color: rgb(237,  
205, 235) }
```

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