

Converting Colors

$Yxy(65.7316, 0.3136, 0.2943)$

Have a look what the booklet for
Yxy(65.7316, 0.3136, 0.2943)
contains.

Yxy(65.7316, 0.3136, 0.2943)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(65.7316, 0.3136, 0.2943)

Conversions

Conversions Part 1

Format	Color
Hex	EACAEB
RGB	234, 202, 235
RGB Percent	92%, 79%, 92%
CMY	0.0824, 0.2078, 0.0785
CMYK	0.00, 0.14, 0.00, 0.08
HSL	298°, 45%, 86%
HSV	298°, 14%, 92%
XYZ	70.0422, 65.7316, 87.5751
YIQ	215.3300, 8.4790, 17.0470

Conversions

Conversions Part 2

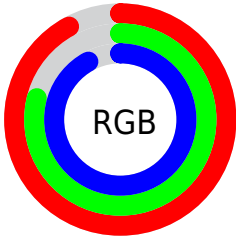
Format	Color
R _Y B	234, 202, 235
Decimal	15387371
CIE Lab	84.86, 16.89, -12.10
CIE LCh	85, 20.774, 324.374
Yxy	65.7316, 0.3136, 0.2943
Android (android.graphics.Color)	4293577451 (0xFFEACAEB)
YUV	215.3300, 9.6973, 16.3736
Hunter-Lab	81.0750, 12.3282, -7.2910

Details

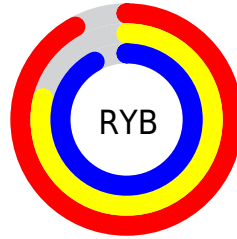
The Yxy color $65.7316, 0.3136, 0.2943$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $76.3650, 0.3116, 0.3662$, and the grayscale version is $68.1195, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $33.8995, 0.3137, 0.2867$ is the 20% darker color. If you saturate the color by 10%, you get $55.4148, 0.3142, 0.2690$, and if you desaturate by 10%, it is $77.7335, 0.3130, 0.3192$.

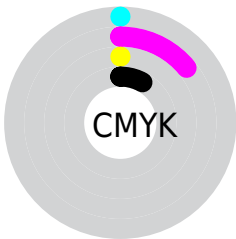
Distribution



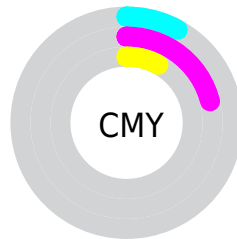
- Red (92%)
- Green (79%)
- Blue (92%)



- Red (92%)
- Yellow (79%)
- Blue (92%)



- Cyan (0%)
- Magenta (14%)
- Yellow (0%)
- Black (8%)





- Cyan (8%)
- Magenta (21%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.7316, 0.3136, 0.2943 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 65.7316, 0.3136, 0.2943 by changing the saturation by 10% instead.


 65.7316, 0.3136,
0.2943

 65.7316, 0.3136,
0.2943

445.4164, 0.3134,
0.3102

 48.0546, 0.3136,
0.2907

113.1010, 0.3136,
0.2998

 33.8701, 0.3136,
0.2863

143.5622, 0.3135,
0.3019

 22.7938, 0.3135,
0.2807


179.0535, 0.3135,
0.3038

 14.4413, 0.3134,
0.2735

219.9594, 0.3135,
0.3054

 8.4283, 0.3131,
0.2637

266.6642, 0.3134,
0.3068

 4.3702, 0.3125,
0.2498

319.5524, 0.3134,

 1.8827, 0.3110,

0.3081

0.2286

379.0083, 0.3134,
0.3092

0.5380, 0.3113,
0.1808

0.0000, 0.0000,
0.0000

65.7316, 0.3136,
0.2943

65.7316, 0.3136,
0.2943

55.4148, 0.3142,
0.2690

77.7335, 0.3130,
0.3192

46.6988, 0.3146,
0.2441

91.4828, 0.3123,
0.3432

39.5050, 0.3149,
0.2205

95.3670, 0.3125,
0.3490

33.7449, 0.3151,
0.1992

95.4877, 0.3129,
0.3490

29.3206, 0.3150,
0.1811

95.6089, 0.3133,
0.3490

26.1222, 0.3148,
0.1671

95.7305, 0.3138,
0.3490

24.0222, 0.3143,
0.1573

95.8526, 0.3142,
0.3489

22.8654, 0.3138,
0.1518

95.9752, 0.3147,
0.3489

22.4817, 0.3133,
0.1500

96.0983, 0.3151,
0.3489

Harmonies

Analogous

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



65.7316, 0.2886, 0.2864



65.7316, 0.3136, 0.2943



65.7316, 0.3393, 0.3105

Triad

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



65.7316, 0.3136, 0.2943



65.7316, 0.3558, 0.3692



65.7316, 0.2692, 0.3237

Complementary

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



65.7316, 0.3136, 0.2943



76.3650, 0.3116, 0.3662

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.



65.7316, 0.2859, 0.3482



65.7316, 0.3136, 0.2943



65.7316, 0.3358, 0.3751

Square

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



65.7316, 0.3136, 0.2943



65.7316, 0.3642, 0.3529



65.7316, 0.3102, 0.3675



65.7316, 0.2637, 0.3020

Rectangle

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



65.7316, 0.3136, 0.2943



65.7316, 0.3531, 0.3243



65.7316, 0.3102, 0.3675



65.7316, 0.2736, 0.3319

Sweetspot

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



65.7344, 0.3136, 0.2943



93.6060, 0.3130, 0.3192



61.3194, 0.2902, 0.2930



19.7863, 0.3130, 0.3174



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.



65.7344, 0.3136, 0.2943



75.1469, 0.3138, 0.2866



65.0509, 0.3255, 0.3102



15.2895, 0.3133, 0.3058



12.5254, 0.3135, 0.1501



0.9908, 0.3146, 0.1507

Inverse Universe

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



64.2168, 0.3379, 0.3280



72.9736, 0.3445, 0.3278



76.9924, 0.3017, 0.3485



15.0613, 0.3288, 0.3283



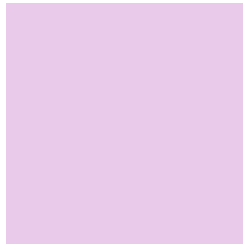
9.8417, 0.6368, 0.3282



0.7754, 0.6281, 0.3234

Previews

White Background



This preview shows how the Yxy color 65.7316, 0.3136, 0.2943 looks on a white background.

Color Contrast Check

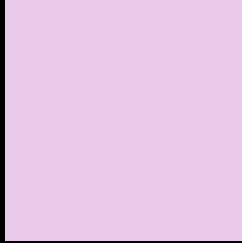
Large Text (above 18pt) WCAG AA × Fail

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 65.7316, 0.3136, 0.2943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

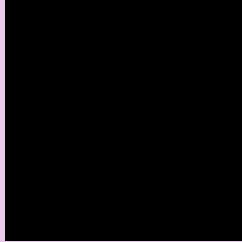
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.7316, 0.3136, 0.2943

Background



This preview shows how black text looks on a background with the Yxy color 65.7316, 0.3136, 0.2943.



This preview shows how white text looks on a background with the Yxy color 65.7316, 0.3136, 0.2943.

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

65.7316, 0.3136, 0.2943

Protanopia

65.6499, 0.2907, 0.2959

Deuteranopia

65.6127, 0.3053, 0.2987



Tritanopia

65.5088, 0.3227, 0.3118

Trichromacy



Original Color

65.7316, 0.3136, 0.2943

Protanomaly

65.5504, 0.2990, 0.2953

Deuteranomaly

65.7719, 0.3082, 0.2979

Tritanomaly

65.4718, 0.3199, 0.3055

Monochromacy



Original Color

65.7316, 0.3136, 0.2943

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

66.8967, 0.3133, 0.3159

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.7316, 0.3136, 0.2943 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(234, 202, 235)` looks like.

```
.text, #text, p{  
    color:rgb(234, 202, 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(234, 202, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 202, 235) }
```

Border

The CSS property to change the border of an element to Yxy 65.7316, 0.3136, 0.2943 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(234, 202, 235) }
```

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

```
.border{ border-color:rgb(234, 202, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 202, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 202, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 202, 235);  
box-shadow:4px 4px 4px 4px rgb(234, 202,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 65.7316, 0.3136, 0.2943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 202, 235) }
```

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

```
.background{ background-color: rgb(234,  
202, 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