

Converting Colors

$Y_{xy}(64.2236, 0.3134, 0.2874)$

Have a look what the booklet for
Yxy(64.2236, 0.3134, 0.2874)
contains.

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Color

Yxy(64.3355, 0.3139, 0.2882)

Conversions

Conversions Part 1

Format	Color
Hex	ECC6ED
RGB	236, 198, 237
RGB Percent	93%, 78%, 93%
CMY	0.0744, 0.2235, 0.0707
CMYK	0.00, 0.16, 0.00, 0.07
HSL	299°, 52%, 85%
HSV	299°, 16%, 93%
XYZ	70.0726, 64.3355, 88.8241
YIQ	213.8080, 10.1290, 20.1850

Conversions

Conversions Part 2

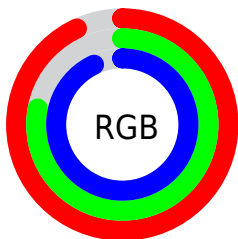
Format	Color
R _{YB}	236, 198, 237
Decimal	15517421
CIE Lab	84.14, 20.05, -14.22
CIE LCh	84, 24.582, 324.655
Yxy	64.3355, 0.3139, 0.2882
Android (android.graphics.Color)	4293707501 (0xFFECC6ED)
YUV	213.8080, 11.4337, 19.4624
Hunter-Lab	80.2094, 15.5747, -9.5113

Details

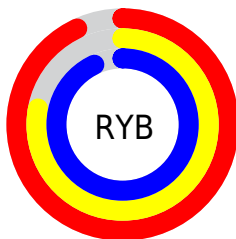
The Yxy color $64.3355, 0.3139, 0.2882$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $76.7670, 0.3113, 0.3733$, and the grayscale version is $67.0280, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $32.9860, 0.3141, 0.2790$ is the 20% darker color. If you saturate the color by 10%, you get $54.2396, 0.3145, 0.2630$, and if you desaturate by 10%, it is $76.1321, 0.3132, 0.3133$.

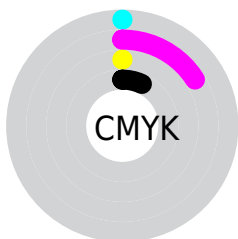
Distribution



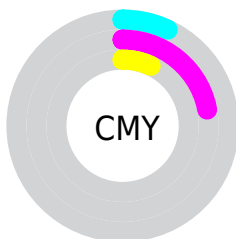
- Red (93%)
- Green (78%)
- Blue (93%)



- Red (93%)
- Yellow (78%)
- Blue (93%)



- Cyan (0%)
- Magenta (16%)
- Yellow (0%)
- Black (7%)





- Cyan (7%)
- Magenta (22%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.3355, 0.3139, 0.2882 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 64.3355, 0.3139, 0.2882 by changing the saturation by 10% instead.

 64.3355, 0.3139,
0.2882

 64.3355, 0.3139,
0.2882

440.4002, 0.3136,
0.3069

 46.9225, 0.3139,
0.2840


111.0940, 0.3138,
0.2946

 32.9744, 0.3139,
0.2788

141.2082, 0.3138,
0.2971

 22.1068, 0.3138,
0.2723


176.3249, 0.3138,
0.2993

 13.9354, 0.3136,
0.2639

216.8286, 0.3137,
0.3012

 8.0757, 0.3132,
0.2525

263.1035, 0.3137,
0.3029

 4.1435, 0.3124,
0.2365

315.5342, 0.3137,

 1.7541, 0.3103,

0.3044

0.2122

374.5049, 0.3136,
0.3057

0.4583, 0.3112,
0.1537

0.0000, 0.0000,
0.0000

64.3355, 0.3139,
0.2882

64.3355, 0.3139,
0.2882

54.2396, 0.3145,
0.2630

76.1321, 0.3132,
0.3133

45.7574, 0.3151,
0.2383

89.6944, 0.3125,
0.3375

38.8070, 0.3155,
0.2153

95.7688, 0.3124,
0.3469

33.2958, 0.3158,
0.1948

95.8696, 0.3127,
0.3469

■ 29.1212, 0.3158,
0.1777

■ 95.9707, 0.3131,
0.3469

■ 26.1675, 0.3157,
0.1648

■ 96.0721, 0.3135,
0.3469

■ 24.2987, 0.3154,
0.1562

■ 96.1739, 0.3138,
0.3469

■ 23.3447, 0.3149,
0.1517

■ 96.2759, 0.3142,
0.3469

■ 23.1274, 0.3147,
0.1507

■ 96.3783, 0.3145,
0.3468

Harmonies

Analogous

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



64.3355, 0.2842, 0.2787



64.3355, 0.3139, 0.2882



64.3355, 0.3446, 0.3073

Triad

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



64.3355, 0.3139, 0.2882



64.3355, 0.3639, 0.3768



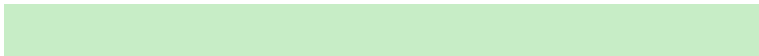
64.3355, 0.2610, 0.3221

Complementary

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



64.3355, 0.3139, 0.2882



76.7670, 0.3113, 0.3733

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.



64.3355, 0.2805, 0.3516



64.3355, 0.3139, 0.2882



64.3355, 0.3398, 0.3842

Square

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



64.3355, 0.3139, 0.2882



64.3355, 0.3742, 0.3572



64.3355, 0.3092, 0.3752



64.3355, 0.2548, 0.2964

Rectangle

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



64.3355, 0.3139, 0.2882



64.3355, 0.3611, 0.3234



64.3355, 0.3092, 0.3752



64.3355, 0.2662, 0.3319

Sweetspot

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



64.3383, 0.3139, 0.2882



92.0738, 0.3131, 0.3168



59.1053, 0.2859, 0.2861



19.4783, 0.3131, 0.3150



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.



64.3383, 0.3139, 0.2882



71.4290, 0.3141, 0.2790



63.4930, 0.3280, 0.3069



15.2938, 0.3134, 0.3058



12.6389, 0.3148, 0.1508



0.9984, 0.3157, 0.1513

Inverse Universe

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



62.5114, 0.3433, 0.3281



68.8657, 0.3517, 0.3278



77.5268, 0.2998, 0.3522



15.0600, 0.3289, 0.3285



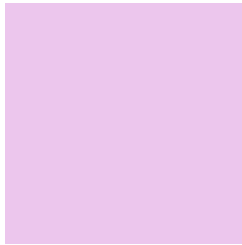
9.8395, 0.6374, 0.3285



0.7748, 0.6302, 0.3245

Previews

White Background



This preview shows how the Yxy color 64.3355, 0.3139, 0.2882 looks on a white background.

Color Contrast Check

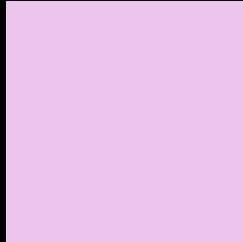
Large Text (above 18pt) WCAG AA × Fail

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 64.3355, 0.3139, 0.2882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

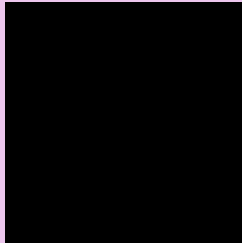
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.3355, 0.3139, 0.2882

Background



This preview shows how black text looks on a background with the Yxy color 64.3355, 0.3139, 0.2882.



This preview shows how white text looks on a background with the Yxy color 64.3355, 0.3139, 0.2882.

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

64.3355, 0.3139, 0.2882

Protanopia

64.4808, 0.2861, 0.2892

Deuteranopia

64.6242, 0.3010, 0.2953



Tritanopia

64.1067, 0.3259, 0.3118

Trichromacy



Original Color

64.3355, 0.3139, 0.2882

Protanomaly

64.1355, 0.2963, 0.2888

Deuteranomaly

64.3047, 0.3062, 0.2925

Tritanomaly

64.1828, 0.3216, 0.3034

Monochromacy



Original Color

64.3355, 0.3139, 0.2882

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

65.9153, 0.3134, 0.3137

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3355, 0.3139, 0.2882 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(236, 198, 237)` looks like.

```
.text, #text, p{  
    color:rgb(236, 198, 237)  
}
```

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(236, 198, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 198, 237) }
```

Border

The CSS property to change the border of an element to Yxy 64.3355, 0.3139, 0.2882 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(236, 198, 237) }
```

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

```
.border{ border-color:rgb(236, 198, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 198, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 198, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 198, 237);  
box-shadow:4px 4px 4px 4px rgb(236, 198,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3355, 0.3139, 0.2882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 198, 237) }
```

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

```
.background{ background-color: rgb(236,  
198, 237) }
```

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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