

Converting Colors

$Y_{xy}(64.1378, 0.3190, 0.2935)$

Have a look what the booklet for
Yxy(64.1378, 0.3190, 0.2935)
contains.

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Color

Yxy(64.2189, 0.3182, 0.2933)

Conversions

Conversions Part 1

Format	Color
Hex	EDC6E8
RGB	237, 198, 232
RGB Percent	93%, 78%, 91%
CMY	0.0708, 0.2234, 0.0902
CMYK	0.00, 0.16, 0.02, 0.07
HSL	308°, 52%, 85%
HSV	308°, 16%, 93%
XYZ	69.6708, 64.2189, 85.0632
YIQ	213.5370, 12.3300, 18.8420

Conversions

Conversions Part 2

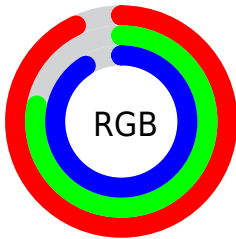
Format	Color
R _Y B	237, 198, 232
Decimal	15582952
CIE Lab	84.08, 19.45, -11.65
CIE LCh	84, 22.669, 329.077
Yxy	64.2189, 0.3182, 0.2933
Android (android.graphics.Color)	4293773032 (0xFFEDC6E8)
YUV	213.5370, 9.1023, 20.5771
Hunter-Lab	80.1367, 14.9486, -6.8393

Details

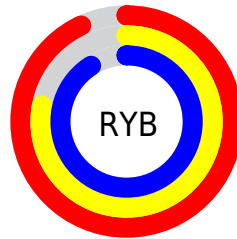
The Yxy color $64.2189, 0.3182, 0.2933$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $76.8585, 0.3077, 0.3675$, and the grayscale version is $66.8483, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $32.9049, 0.3199, 0.2855$ is the 20% darker color. If you saturate the color by 10%, you get $54.0520, 0.3221, 0.2710$, and if you desaturate by 10%, it is $76.0889, 0.3147, 0.3153$.

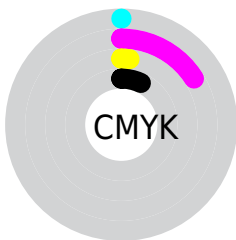
Distribution



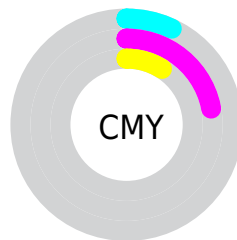
- Red (93%)
- Green (78%)
- Blue (91%)



- Red (93%)
- Yellow (78%)
- Blue (91%)



- Cyan (0%)
- Magenta (16%)
- Yellow (2%)
- Black (7%)





- Cyan (7%)
- Magenta (22%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.2189, 0.3182, 0.2933 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 64.2189, 0.3182, 0.2933 by changing the saturation by 10% instead.

 64.2189, 0.3182,
0.2933

 64.2189, 0.3182,
0.2933


439.9797, 0.3158,
0.3097

 46.8280, 0.3187,
0.2896

110.9261, 0.3174,
0.2990

 32.8997, 0.3193,
0.2850


141.0112, 0.3171,
0.3012

 22.0496, 0.3200,
0.2792


176.0965, 0.3168,
0.3031

 13.8934, 0.3209,
0.2717

216.5664, 0.3166,
0.3047

 8.0465, 0.3221,
0.2616

262.8053, 0.3164,
0.3062

 4.1247, 0.3235,
0.2471


315.1975, 0.3162,

 1.7436, 0.3252,


0.3075


0.2250


374.1275, 0.3160,
0.3087


 0.4516, 0.3347,
0.1669


 0.0000, 0.0000,
0.0000


 64.2189, 0.3182,
0.2933


 64.2189, 0.3182,
0.2933


 54.0520, 0.3221,
0.2710


 76.0889, 0.3147,
0.3153


 45.5011, 0.3264,
0.2490

 89.7269, 0.3117,
0.3364

 38.4844, 0.3311,
0.2283

 95.8689, 0.3095,
0.3429

 32.9092, 0.3360,
0.2098

 96.0507, 0.3078,
0.3398

■ 28.6732, 0.3409,
0.1945

■ 96.2354, 0.3061,
0.3368

■ 25.6604, 0.3459,
0.1832

■ 96.4231, 0.3044,
0.3338

■ 23.7351, 0.3506,
0.1764

■ 96.6139, 0.3028,
0.3308

■ 22.7274, 0.3550,
0.1740

■ 96.7356, 0.3017,
0.3290

■ 22.4907, 0.3565,
0.1737

Harmonies

Analogous

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



64.2189, 0.2901, 0.2830



64.2189, 0.3182, 0.2933



64.2189, 0.3459, 0.3121

Triad

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



64.2189, 0.3182, 0.2933



64.2189, 0.3574, 0.3750



64.2189, 0.2632, 0.3188

Complementary

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



64.2189, 0.3182, 0.2933



76.8585, 0.3077, 0.3675

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.



64.2189, 0.2797, 0.3460



64.2189, 0.3182, 0.2933



64.2189, 0.3338, 0.3796

Square

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



64.2189, 0.3182, 0.2933



64.2189, 0.3690, 0.3584



64.2189, 0.3053, 0.3689



64.2189, 0.2594, 0.2962

Rectangle

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



64.2189, 0.3182, 0.2933



64.2189, 0.3600, 0.3275



64.2189, 0.3053, 0.3689



64.2189, 0.2674, 0.3278

Sweetspot

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



64.2217, 0.3182, 0.2933



92.0291, 0.3143, 0.3183



59.1473, 0.2891, 0.2851



19.4674, 0.3145, 0.3168



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.



64.2217, 0.3182, 0.2933



71.2548, 0.3196, 0.2852



63.1971, 0.3324, 0.3130



15.2789, 0.3157, 0.3087



12.2989, 0.3558, 0.1734



0.9750, 0.3503, 0.1703

Inverse Universe

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



64.2217, 0.3182, 0.2933



71.2548, 0.3196, 0.2852



77.8232, 0.2964, 0.3456



15.2789, 0.3157, 0.3087



12.2989, 0.3558, 0.1734



0.9750, 0.3503, 0.1703

Previews

White Background



This preview shows how the Yxy color 64.2189, 0.3182, 0.2933 looks on a white background.

Color Contrast Check

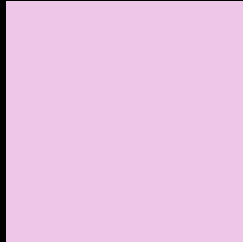
Large Text (above 18pt) WCAG AA × Fail

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 64.2189, 0.3182, 0.2933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

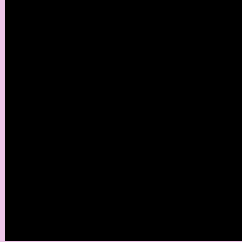
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.2189, 0.3182, 0.2933

Background



This preview shows how black text looks on a background with the Yxy color 64.2189, 0.3182, 0.2933.



This preview shows how white text looks on a background with the Yxy color 64.2189, 0.3182, 0.2933.

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

64.2189, 0.3182, 0.2933

Protanopia

64.3229, 0.2899, 0.2946

Deuteranopia

64.3274, 0.3066, 0.2996



Tritanopia

64.3933, 0.3282, 0.3129

Trichromacy



Original Color

64.2189, 0.3182, 0.2933

Protanomaly

63.9936, 0.3003, 0.2941

Deuteranomaly

64.3415, 0.3112, 0.2978

Tritanomaly

64.4153, 0.3247, 0.3056

Monochromacy



Original Color

64.2189, 0.3182, 0.2933

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

65.8618, 0.3141, 0.3148

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.2189, 0.3182, 0.2933 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, 198, 232)` looks like.

```
.text, #text, p{  
    color:rgb(237, 198, 232)  
}
```

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, 198, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 198, 232) }
```

Border

The CSS property to change the border of an element to Yxy 64.2189, 0.3182, 0.2933 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, 198, 232) }
```

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

```
.border{ border-color:rgb(237, 198, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 198, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 198, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 198, 232); box-shadow:4px 4px 4px 4px rgb(237, 198, 232) }
```


Background

The CSS property to change the background color of an element to Yxy 64.2189, 0.3182, 0.2933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 198, 232) }
```

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

```
.background{ background-color: rgb(237,  
198, 232) }
```

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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