

Converting Colors

$Y_{xy}(63.5289, 0.3065, 0.2744)$

Have a look what the booklet for
Yxy(63.5289, 0.3065, 0.2744)
contains.

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Color

Yxy(63.6404, 0.3062, 0.2743)

Conversions

Conversions Part 1

Format	Color
Hex	ECC3F8
RGB	236, 195, 248
RGB Percent	93%, 76%, 97%
CMY	0.0746, 0.2352, 0.0275
CMYK	0.05, 0.21, 0.00, 0.03
HSL	286°, 79%, 87%
HSV	286°, 21%, 97%
XYZ	71.0415, 63.6404, 97.3283
YIQ	213.3010, 7.4230, 25.1750

Conversions

Conversions Part 2

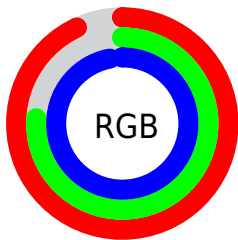
Format	Color
R _Y B	236, 195, 248
Decimal	15516664
CIE Lab	83.78, 23.68, -20.63
CIE LCh	84, 31.407, 318.945
Yxy	63.6404, 0.3062, 0.2743
Android (android.graphics.Color)	4293706744 (0xFFECC3F8)
YUV	213.3010, 17.1066, 19.9070
Hunter-Lab	79.7749, 19.3525, -16.4935

Details

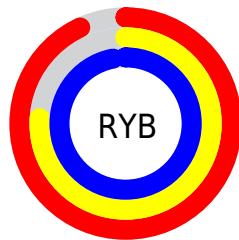
The Yxy color **63.6404, 0.3062, 0.2743** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **84.3310, 0.3176, 0.3873**, and the grayscale version is **66.6311, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1008, 0.3128, 0.3261**, and **32.5588, 0.3039, 0.2614** is the 20% darker color. If you saturate the color by 10%, you get **52.4902, 0.3022, 0.2474**, and if you desaturate by 10%, it is **76.6717, 0.3096, 0.3006**.

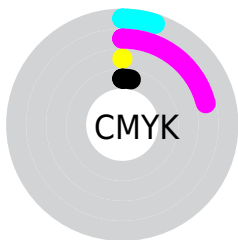
Distribution



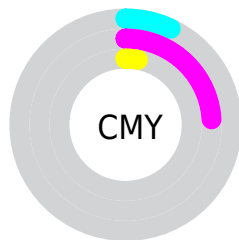
- Red (93%)
- Green (76%)
- Blue (97%)



- Red (93%)
- Yellow (76%)
- Blue (97%)



- Cyan (5%)
- Magenta (21%)
- Yellow (0%)
- Black (3%)





- Cyan (7%)
- Magenta (24%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.6404, 0.3062, 0.2743 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 63.6404, 0.3062, 0.2743 by changing the saturation by 10% instead.


 63.6404, 0.3062,
0.2743

 63.6404, 0.3062,
0.2743


437.8899, 0.3097,
0.2991

 46.3595, 0.3053,
0.2688


 110.0929, 0.3075,
0.2828

 32.5296, 0.3041,
0.2620


140.0333, 0.3080,
0.2861

 21.7663, 0.3026,
0.2536


174.9622, 0.3084,
0.2890

 13.6853, 0.3004,
0.2427

215.2642, 0.3087,
0.2915

 7.9021, 0.2972,
0.2284

261.3235, 0.3090,
0.2938

 4.0324, 0.2921,
0.2084


313.5247, 0.3093,

 1.6917, 0.2832,

0.2957

0.1793

372.2520, 0.3095,
0.2975

 0.4183, 0.2706,
0.1152


 0.0000, 0.0000,
0.0000


 63.6404, 0.3062,
0.2743


 63.6404, 0.3062,
0.2743

 52.4902, 0.3022,
0.2474

 76.6717, 0.3096,
0.3006


 43.1214, 0.2975,
0.2208

 91.6608, 0.3124,
0.3257

 35.4379, 0.2923,
0.1955

 99.1479, 0.3154,
0.3357

 29.3308, 0.2866,
0.1726

 99.5560, 0.3168,
0.3357

■ 24.6784, 0.2805,
0.1533

■ 21.3407, 0.2744,
0.1382

■ 19.1500, 0.2682,
0.1280

■ 17.9540, 0.2631,
0.1223

Harmonies

Analogous

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



63.6404, 0.2701, 0.2649



63.6404, 0.3062, 0.2743



63.6404, 0.3464, 0.2961

Triad

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



63.6404, 0.3062, 0.2743



63.6404, 0.3822, 0.3856



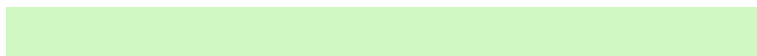
63.6404, 0.2505, 0.3267

Complementary

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



63.6404, 0.3062, 0.2743



84.3310, 0.3176, 0.3873

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.



63.6404, 0.2776, 0.3651



63.6404, 0.3062, 0.2743



63.6404, 0.3536, 0.3998

Square

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



63.6404, 0.3062, 0.2743



63.6404, 0.3918, 0.3582



63.6404, 0.3152, 0.3931



63.6404, 0.2396, 0.2921

Rectangle

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



63.6404, 0.3062, 0.2743



63.6404, 0.3695, 0.3154



63.6404, 0.3152, 0.3931



63.6404, 0.2579, 0.3397

Sweetspot

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



63.6431, 0.3062, 0.2743



89.9720, 0.3112, 0.3142



63.1883, 0.2777, 0.2836



19.0341, 0.3110, 0.3126



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.



63.6431, 0.3062, 0.2743



62.0072, 0.3044, 0.2618



64.9230, 0.3256, 0.2893



17.3146, 0.3102, 0.3054



9.7663, 0.2640, 0.1228



0.9513, 0.2712, 0.1267

Inverse Universe

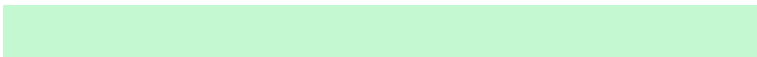
The Inverse Universe completely reimagines the original color for something new.



63.4968, 0.3464, 0.3165



61.8727, 0.3560, 0.3136



83.3367, 0.3019, 0.3723



17.2896, 0.3258, 0.3236



10.9532, 0.6004, 0.3081



1.0298, 0.5679, 0.2902

Previews

White Background



This preview shows how the Yxy color 63.6404, 0.3062, 0.2743 looks on a white background.

Color Contrast Check

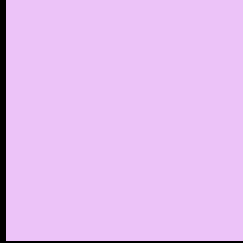
Large Text (above 18pt) WCAG AA × Fail

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 63.6404, 0.3062, 0.2743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

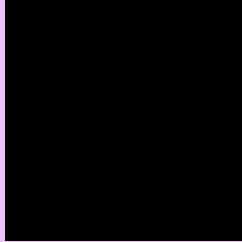
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.6404, 0.3062, 0.2743

Background



This preview shows how black text looks on a background with the Yxy color 63.6404, 0.3062, 0.2743.



This preview shows how white text looks on a background with the Yxy color 63.6404, 0.3062, 0.2743.

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

63.6404, 0.3062, 0.2743

Protanopia

63.8514, 0.2755, 0.2763

Deuteranopia

63.6884, 0.2895, 0.2833



Tritanopia

63.7201, 0.3251, 0.3128

Trichromacy



Original Color

63.6404, 0.3062, 0.2743

Protanomaly

63.7372, 0.2864, 0.2762

Deuteranomaly

63.7043, 0.2952, 0.2798

Tritanomaly

63.7719, 0.3180, 0.2981

Monochromacy



Original Color

63.6404, 0.3062, 0.2743

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

65.0058, 0.3100, 0.3071

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.6404, 0.3062, 0.2743 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, 195, 248)` looks like.

```
.text, #text, p{  
    color:rgb(236, 195, 248)  
}
```

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, 195, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 195, 248) }
```

Border

The CSS property to change the border of an element to Yxy 63.6404, 0.3062, 0.2743 is called "border". The border property can be set on classes, ids or directly on the HTML element.

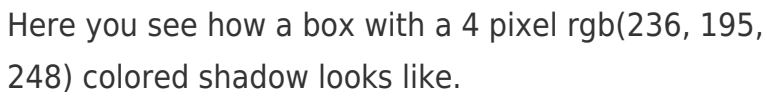
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(236, 195, 248) }
```

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

```
.border{ border-color:rgb(236, 195, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(236, 195, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 195, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 195, 248); box-shadow:4px 4px 4px 4px rgb(236, 195, 248) }
```


Background

The CSS property to change the background color of an element to Yxy 63.6404, 0.3062, 0.2743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 195, 248) }
```

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

```
.background{ background-color: rgb(236,  
195, 248) }
```

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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