

Converting Colors

$Y_{xy}(75.6160, 0.3015, 0.3031)$

Have a look what the booklet for
Yxy(75.6160, 0.3015, 0.3031)
contains.

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Color

Yxy(75.6160, 0.3015, 0.3031)

Conversions

Conversions Part 1

Format	Color
Hex	E5DEF7
RGB	229, 222, 247
RGB Percent	90%, 87%, 97%
CMY	0.1021, 0.1294, 0.0313
CMYK	0.07, 0.10, 0.00, 0.03
HSL	257°, 61%, 92%
HSV	257°, 10%, 97%
XYZ	75.2168, 75.6160, 98.6426
YIQ	226.9430, -3.8530, 9.2590

Conversions

Conversions Part 2

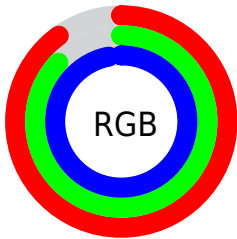
Format	Color
R _Y B	229, 222, 247
Decimal	15064823
CIE Lab	89.68, 6.96, -11.31
CIE LCh	90, 13.285, 301.606
Yxy	75.6160, 0.3015, 0.3031
Android (android.graphics.Color)	4293254903 (0xFFE5DEF7)
YUV	226.9430, 9.8881, 1.8040
Hunter-Lab	86.9575, 2.2241, -6.3870

Details

The Yxy color **75.6160, 0.3015, 0.3031** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **90.3465, 0.3232, 0.3543**, and the grayscale version is **76.7008, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.2833, 0.2982, 0.2969** is the 20% darker color. If you saturate the color by 10%, you get **60.6593, 0.2887, 0.2748**, and if you desaturate by 10%, it is **92.8028, 0.3126, 0.3287**.

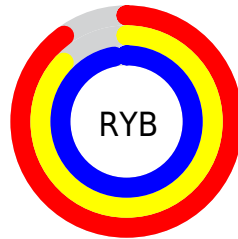
Distribution



Red (90%)

Green (87%)

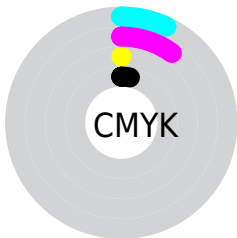
Blue (97%)



Red (90%)

Yellow (87%)

Blue (97%)

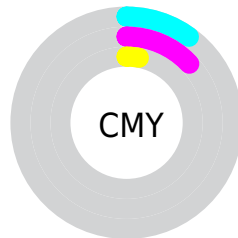


Cyan (7%)

Magenta (10%)

Yellow (0%)

Black (3%)



Cyan (10%)

Magenta (13%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.6160, 0.3015, 0.3031 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 75.6160, 0.3015, 0.3031 by changing the saturation by 10% instead.

75.6160, 0.3015,
0.3031

75.6160, 0.3015,
0.3031

480.0322, 0.3067,
0.3148

56.1177, 0.3003,
0.3005

127.1840, 0.3033,
0.3071

40.2973, 0.2988,
0.2973

160.0224, 0.3040,
0.3087

27.7704, 0.2970,
0.2933

198.0763, 0.3046,
0.3101

18.1527, 0.2945,
0.2881

241.7301, 0.3051,
0.3113

11.0596, 0.2912,
0.2812

291.3682, 0.3056,
0.3123

6.1070, 0.2864,
0.2715

347.3750, 0.3060,

2.9102, 0.2789,

0.3132

0.2569

410.1349, 0.3064,
0.3141

■ 1.0850, 0.2657,
0.2328

■ 0.0000, 0.1534,
0.0000

■ 75.6160, 0.3015,
0.3031

■ 75.6160, 0.3015,
0.3031

■ 60.6593, 0.2887,
0.2748

■ 92.8028, 0.3126,
0.3287

■ 47.8309, 0.2742,
0.2441

■ 99.4967, 0.3173,
0.3366

■ 37.0351, 0.2581,
0.2117

■ 28.1650, 0.2407,
0.1788

■ 21.1040, 0.2229,
0.1471

■ 15.7222, 0.2055,
0.1186

■ 11.8720, 0.1896,
0.0953

■ 9.3786, 0.1763,
0.0788

■ 7.9700, 0.1661,
0.0689

Harmonies

Analogous

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



75.6160, 0.2889, 0.3033



75.6160, 0.3015, 0.3031



75.6160, 0.3173, 0.3094

Triad

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



75.6160, 0.3015, 0.3031



75.6160, 0.3436, 0.3469



75.6160, 0.2933, 0.3372

Complementary

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



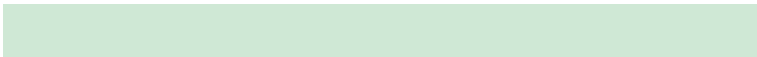
75.6160, 0.3015, 0.3031



90.3465, 0.3232, 0.3543

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.



75.6160, 0.3076, 0.3498



75.6160, 0.3015, 0.3031



75.6160, 0.3367, 0.3551

Square

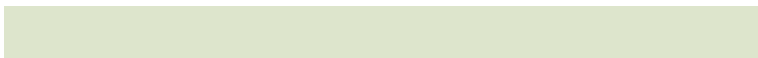
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.6160, 0.3015, 0.3031



75.6160, 0.3420, 0.3342



75.6160, 0.3234, 0.3564



75.6160, 0.2843, 0.3226

Rectangle

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



75.6160, 0.3015, 0.3031



75.6160, 0.3277, 0.3165



75.6160, 0.3234, 0.3564



75.6160, 0.2976, 0.3419

Sweetspot

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



75.6192, 0.3015, 0.3031



94.1833, 0.3096, 0.3216



84.7765, 0.2970, 0.3221



19.8344, 0.3087, 0.3196



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.



75.6192, 0.3015, 0.3031



78.0545, 0.2992, 0.2979



77.7003, 0.3098, 0.3038



16.1497, 0.3023, 0.3048



4.2750, 0.1675, 0.0696



0.4250, 0.1803, 0.0767

Inverse Universe

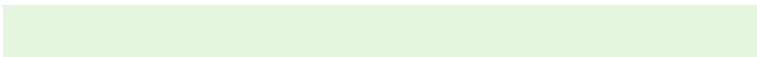
The Inverse Universe completely reimagines the original color for something new.



78.3234, 0.3185, 0.3109



81.4707, 0.3196, 0.3074



88.2784, 0.3152, 0.3550



16.6851, 0.3181, 0.3121



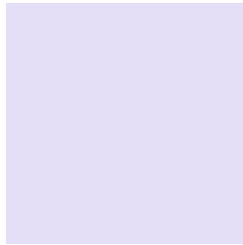
12.1903, 0.4065, 0.2013



1.0888, 0.3932, 0.1940

Previews

White Background



This preview shows how the Yxy color 75.6160, 0.3015, 0.3031 looks on a white background.

Color Contrast Check

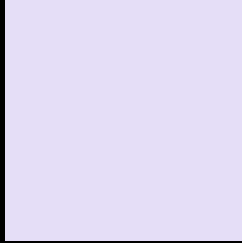
Large Text (above 18pt) WCAG AA × Fail

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 75.6160, 0.3015, 0.3031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

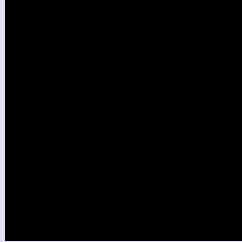
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.6160, 0.3015, 0.3031

Background



This preview shows how black text looks on a background with the Yxy color 75.6160, 0.3015, 0.3031.



This preview shows how white text looks on a background with the Yxy color 75.6160, 0.3015, 0.3031.

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

75.6160, 0.3015, 0.3031

Protanopia

75.7766, 0.2969, 0.3039

Deuteranopia

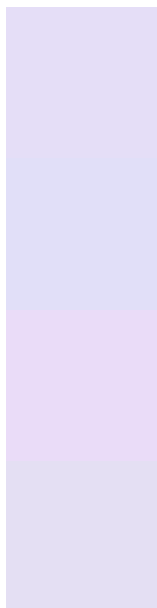
75.4449, 0.3064, 0.2994



Tritanopia

75.6202, 0.3046, 0.3102

Trichromacy



Original Color

75.6160, 0.3015, 0.3031

Protanomaly

75.5602, 0.2982, 0.3030

Deuteranomaly

75.4561, 0.3043, 0.3003

Tritanomaly

75.7404, 0.3034, 0.3082

Monochromacy



Original Color

75.6160, 0.3015, 0.3031

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

76.2849, 0.3090, 0.3195

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.6160, 0.3015, 0.3031 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(229, 222, 247)` looks like.

```
.text, #text, p{  
    color:rgb(229, 222, 247)  
}
```

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(229, 222, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 222, 247) }
```

Border

The CSS property to change the border of an element to Yxy 75.6160, 0.3015, 0.3031 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(229, 222, 247) }
```

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

```
.border{ border-color:rgb(229, 222, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 222, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 222, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 222, 247);  
box-shadow:4px 4px 4px 4px rgb(229, 222,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 75.6160, 0.3015, 0.3031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 222, 247) }
```

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

```
.background{ background-color: rgb(229,  
222, 247) }
```

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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