

Converting Colors

$Yxy(67.7958, 0.3025, 0.2990)$

Have a look what the booklet for
Yxy(67.7958, 0.3025, 0.2990)
contains.

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Color

Yxy(67.7958, 0.3025, 0.2990)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | DED2EE |
| RGB | 222, 210, 238 |
| RGB Percent | 87%, 82%, 93% |
| CMY | 0.1296, 0.1764, 0.0667 |
| CMYK | 0.07, 0.12, 0.00, 0.07 |
| HSL | 266°, 45%, 88% |
| HSV | 266°, 12%, 93% |
| XYZ | 68.5894, 67.7958, 90.3566 |
| YIQ | 216.7800, -1.8360, 11.2520 |

Conversions

Conversions Part 2

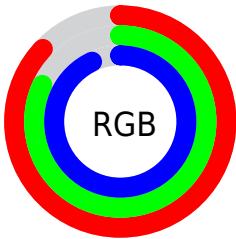
| Format | Color |
|-------------------------------------|------------------------------|
| R _{YB} | 222, 210, 238 |
| Decimal | 14602990 |
| CIE Lab | 85.90, 9.24, -12.25 |
| CIE LCh | 86, 15.341, 307.024 |
| Yxy | 67.7958, 0.3025, 0.2990 |
| Android (android.graphics.Color) | 4292793070 (0xFFDED2EE) |
| YUV | 216.7800, 10.4615, 4.5779 |
| Hunter-Lab | 82.3382, 4.6023, -7.4271 |

Details

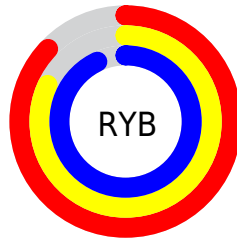
The Yxy color **67.7958, 0.3025, 0.2990** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.9834, 0.3221, 0.3588**, and the grayscale version is **69.1545, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.3698, 0.3002, 0.2928** is the 20% darker color. If you saturate the color by 10%, you get **54.8364, 0.2923, 0.2710**, and if you desaturate by 10%, it is **82.6833, 0.3113, 0.3247**.

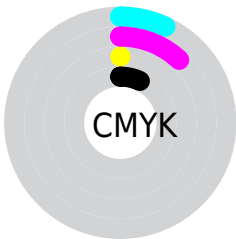
Distribution



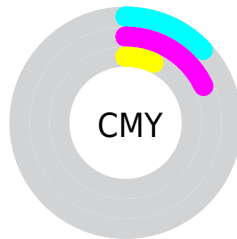
- Red (87%)
- Green (82%)
- Blue (93%)



- Red (87%)
- Yellow (82%)
- Blue (93%)



- Cyan (7%)
- Magenta (12%)
- Yellow (0%)
- Black (7%)



- Cyan (13%)
- Magenta (18%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.7958, 0.3025, 0.2990 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 67.7958, 0.3025, 0.2990 by changing the saturation by 10% instead.

67.7958, 0.3025,
0.2990

67.7958, 0.3025,
0.2990

452.7722, 0.3074,
0.3128

49.7316, 0.3014,
0.2959

116.0600, 0.3042,
0.3038

35.2002, 0.2999,
0.2920

147.0288, 0.3049,
0.3056

23.8171, 0.2981,
0.2872

183.0679, 0.3054,
0.3072

15.1980, 0.2956,
0.2808

224.5617, 0.3059,
0.3086

8.9585, 0.2922,
0.2723

271.8947, 0.3064,
0.3099

4.7141, 0.2870,
0.2600

325.4511, 0.3067,

2.0805, 0.2787,

0.3110

0.2412

385.6155, 0.3071,
0.3119

0.6536, 0.2644,
0.2041

0.0000, 0.0000,
0.0000

67.7958, 0.3025,
0.2990

67.7958, 0.3025,
0.2990

54.8364, 0.2923,
0.2710

82.6833, 0.3113,
0.3247

43.7155, 0.2806,
0.2413

97.8808, 0.3190,
0.3456

34.3491, 0.2675,
0.2104

98.9529, 0.3226,
0.3454

26.6432, 0.2533,
0.1797

■ 20.4946, 0.2384,
0.1506

■ 15.7882, 0.2234,
0.1248

■ 12.3921, 0.2092,
0.1039

■ 10.1486, 0.1964,
0.0888

■ 8.9627, 0.1872,
0.0805

Harmonies

Analogous

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



67.7958, 0.2865, 0.2976



67.7958, 0.3025, 0.2990



67.7958, 0.3217, 0.3078

Triad

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



67.7958, 0.3025, 0.2990



67.7958, 0.3490, 0.3525



67.7958, 0.2870, 0.3357

Complementary

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



67.7958, 0.3025, 0.2990



81.9834, 0.3221, 0.3588

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.



67.7958, 0.3031, 0.3517



67.7958, 0.3025, 0.2990



67.7958, 0.3390, 0.3613

Square

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



67.7958, 0.3025, 0.2990



67.7958, 0.3489, 0.3380



67.7958, 0.3221, 0.3612



67.7958, 0.2778, 0.3182

Rectangle

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



67.7958, 0.3025, 0.2990



67.7958, 0.3337, 0.3167



67.7958, 0.3221, 0.3612



67.7958, 0.2918, 0.3415

Sweetspot

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



67.7987, 0.3025, 0.2990



92.5704, 0.3094, 0.3191



74.4570, 0.2945, 0.3163



19.5238, 0.3088, 0.3172



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.



67.7987, 0.3025, 0.2990



75.6186, 0.3003, 0.2928



70.0540, 0.3124, 0.2999



15.5579, 0.3046, 0.3051



5.0731, 0.1888, 0.0814



0.4795, 0.2035, 0.0895

Inverse Universe

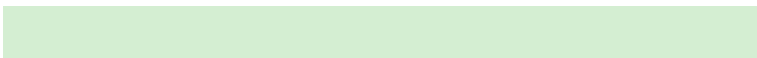
The Inverse Universe completely reimagines the original color for something new.



69.7773, 0.3224, 0.3122



78.3585, 0.3245, 0.3088



79.8518, 0.3128, 0.3596



15.9109, 0.3203, 0.3155



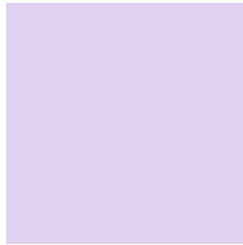
11.1687, 0.4647, 0.2334



0.9490, 0.4405, 0.2201

Previews

White Background



This preview shows how the Yxy color 67.7958, 0.3025, 0.2990 looks on a white background.

Color Contrast Check

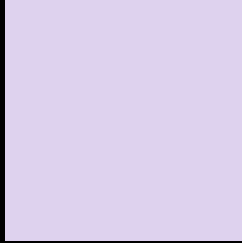
Large Text (above 18pt) WCAG AA × Fail

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 67.7958, 0.3025, 0.2990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

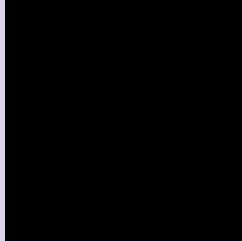
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

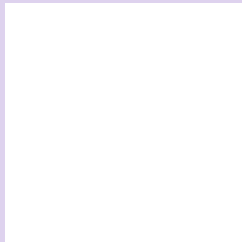
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.7958, 0.3025, 0.2990

Background



This preview shows how black text looks on a background with the Yxy color 67.7958, 0.3025, 0.2990.



This preview shows how white text looks on a background with the Yxy color 67.7958, 0.3025, 0.2990.

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

67.7958, 0.3025, 0.2990

Protanopia

67.7287, 0.2936, 0.2995

Deuteranopia

67.7815, 0.3047, 0.2981



Tritanopia

67.9040, 0.3077, 0.3116

Trichromacy



Original Color

67.7958, 0.3025, 0.2990

Protanomaly

67.7660, 0.2970, 0.2997

Deuteranomaly

67.6213, 0.3040, 0.2980

Tritanomaly

67.7869, 0.3058, 0.3063

Monochromacy



Original Color

67.7958, 0.3025, 0.2990

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

68.5894, 0.3089, 0.3170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7958, 0.3025, 0.2990 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(222, 210, 238)` looks like.

```
.text, #text, p{  
    color:rgb(222, 210, 238)  
}
```

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(222, 210, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 210, 238) }
```

Border

The CSS property to change the border of an element to Yxy 67.7958, 0.3025, 0.2990 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(222, 210, 238) }
```

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

```
.border{ border-color:rgb(222, 210, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 210, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 210, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 210, 238);  
box-shadow:4px 4px 4px 4px rgb(222, 210,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7958, 0.3025, 0.2990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 210, 238) }
```

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

```
.background{ background-color: rgb(222,  
210, 238) }
```

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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