

Converting Colors

$Y_{xy}(72.3637, 0.3097, 0.3144)$

Have a look what the booklet for
Yxy(72.3637, 0.3097, 0.3144)
contains.

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Color

Yxy(72.2999, 0.3099, 0.3141)

Conversions

Conversions Part 1

Format	Color
Hex	E3DAE8
RGB	227, 218, 232
RGB Percent	89%, 85%, 91%
CMY	0.1095, 0.1452, 0.0901
CMYK	0.02, 0.06, 0.00, 0.09
HSL	279°, 23%, 88%
HSV	279°, 6%, 91%
XYZ	71.3331, 72.2999, 86.5481
YIQ	222.2870, 0.8700, 6.2620

Conversions

Conversions Part 2

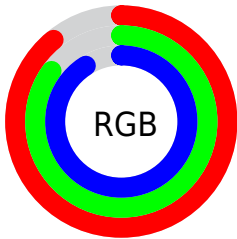
Format	Color
R _Y B	227, 218, 232
Decimal	14932712
CIE Lab	88.11, 5.62, -5.76
CIE LCh	88, 8.048, 314.289
Yxy	72.2999, 0.3099, 0.3141
Android (android.graphics.Color)	4293122792 (0xFFE3DAE8)
YUV	222.2870, 4.7885, 4.1333
Hunter-Lab	85.0293, 0.9465, -0.8285

Details

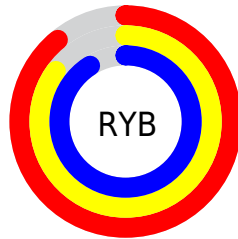
The Yxy color **72.2999, 0.3099, 0.3141** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **78.4574, 0.3154, 0.3440**, and the grayscale version is **73.2336, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.0996, 0.3098, 0.3111** is the 20% darker color. If you saturate the color by 10%, you get **59.8036, 0.3045, 0.2881**, and if you desaturate by 10%, it is **86.5497, 0.3144, 0.3384**.

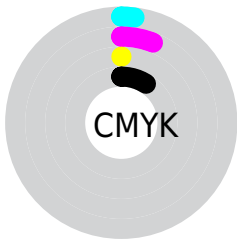
Distribution



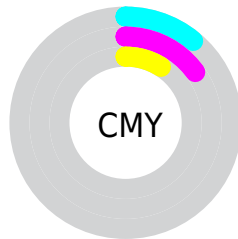
- Red (89%)
- Green (85%)
- Blue (91%)



- Red (89%)
- Yellow (85%)
- Blue (91%)



- Cyan (2%)
- Magenta (6%)
- Yellow (0%)
- Black (9%)



- Cyan (11%)
- Magenta (15%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.2999, 0.3099, 0.3141 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 72.2999, 0.3099, 0.3141 by changing the saturation by 10% instead.

72.2999, 0.3099,
0.3141

72.2999, 0.3099,
0.3141

468.5848, 0.3112,
0.3209

53.4037, 0.3096,
0.3125

122.4828, 0.3104,
0.3165

38.1251, 0.3092,
0.3106

154.5383, 0.3106,
0.3174

26.0798, 0.3087,
0.3082

191.7490, 0.3107,
0.3182

16.8834, 0.3080,
0.3051

234.4994, 0.3108,
0.3189

10.1514, 0.3071,
0.3008

283.1737, 0.3110,
0.3195

5.4994, 0.3057,
0.2947

338.1565, 0.3111,

2.5432, 0.3035,

0.3200

0.2853

399.8320, 0.3112,
0.3205

0.8982, 0.2992,
0.2688

0.0000, 0.0000,
0.0000

72.2999, 0.3099,
0.3141

72.2999, 0.3099,
0.3141

59.8036, 0.3045,
0.2881

86.5497, 0.3144,
0.3384

48.9811, 0.2982,
0.2607

96.4753, 0.3188,
0.3517

39.7602, 0.2910,
0.2327

97.9649, 0.3240,
0.3514

32.0597, 0.2828,
0.2048

98.6069, 0.3262,
0.3512

■ 25.7911, 0.2739,
0.1783

■ 20.8567, 0.2644,
0.1544

■ 17.1461, 0.2548,
0.1344

■ 14.5304, 0.2453,
0.1191

■ 12.8502, 0.2362,
0.1088

Harmonies

Analogous

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



72.2999, 0.3010, 0.3125



72.2999, 0.3099, 0.3141



72.2999, 0.3197, 0.3195

Triad

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



72.2999, 0.3099, 0.3141



72.2999, 0.3305, 0.3427



72.2999, 0.2979, 0.3303

Complementary

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



72.2999, 0.3099, 0.3141



78.4574, 0.3154, 0.3440

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.



72.2999, 0.3056, 0.3388



72.2999, 0.3099, 0.3141



72.2999, 0.3244, 0.3459

Square

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



72.2999, 0.3099, 0.3141



72.2999, 0.3317, 0.3359



72.2999, 0.3153, 0.3445



72.2999, 0.2941, 0.3217

Rectangle

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



72.2999, 0.3099, 0.3141



72.2999, 0.3254, 0.3246



72.2999, 0.3153, 0.3445



72.2999, 0.3001, 0.3333

Sweetspot

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



72.3030, 0.3099, 0.3141



96.4500, 0.3118, 0.3241



73.5727, 0.3035, 0.3194



20.6815, 0.3119, 0.3244



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.



72.3030, 0.3099, 0.3141



87.9624, 0.3094, 0.3116



73.0127, 0.3147, 0.3162



14.8649, 0.3091, 0.3103



6.9226, 0.2342, 0.1064



0.5630, 0.2469, 0.1134

Inverse Universe

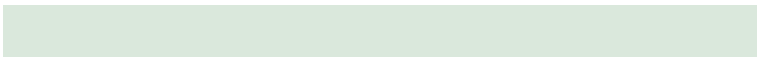
The Inverse Universe completely reimagines the original color for something new.



72.6151, 0.3195, 0.3238



88.4127, 0.3207, 0.3229



77.7827, 0.3108, 0.3421



14.9475, 0.3214, 0.3224



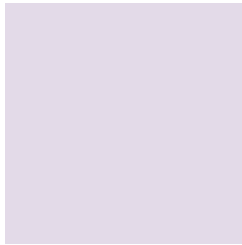
9.8816, 0.5563, 0.2838



0.7474, 0.5157, 0.2614

Previews

White Background



This preview shows how the Yxy color 72.2999, 0.3099, 0.3141 looks on a white background.

Color Contrast Check

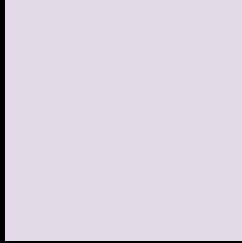
Large Text (above 18pt) WCAG AA × Fail

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 72.2999, 0.3099, 0.3141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

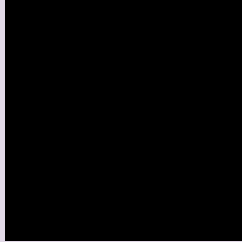
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

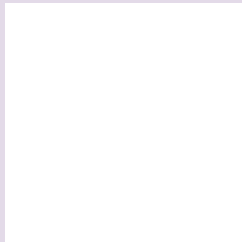
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.2999, 0.3099, 0.3141

Background



This preview shows how black text looks on a background with the Yxy color 72.2999, 0.3099, 0.3141.

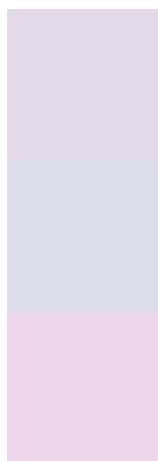


This preview shows how white text looks on a background with the Yxy color 72.2999, 0.3099, 0.3141.

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

72.2999, 0.3099, 0.3141

Protanopia

72.4417, 0.3049, 0.3150

Deuteranopia

71.9809, 0.3165, 0.3092



Tritanopia

72.4719, 0.3079, 0.3110

Trichromacy



Original Color

72.2999, 0.3099, 0.3141

Protanomaly

72.2342, 0.3064, 0.3140

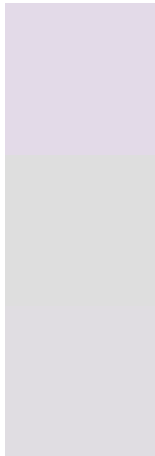
Deuteranomaly

71.8077, 0.3136, 0.3101

Tritanomaly

72.4142, 0.3085, 0.3120

Monochromacy



Original Color

72.2999, 0.3099, 0.3141

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

73.0512, 0.3116, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.2999, 0.3099, 0.3141 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(227, 218, 232)` looks like.

```
.text, #text, p{  
    color:rgb(227, 218, 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(227, 218, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 218, 232) }
```

Border

The CSS property to change the border of an element to Yxy 72.2999, 0.3099, 0.3141 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(227, 218, 232) }
```

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

```
.border{ border-color:rgb(227, 218, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 218, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 218, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 218, 232);  
box-shadow:4px 4px 4px 4px rgb(227, 218,  
232) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.2999, 0.3099, 0.3141$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 218, 232) }
```

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

```
.background{ background-color: rgb(227,  
218, 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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