

Converting Colors

$Y_{xy}(72.0035, 0.3225, 0.3216)$

Have a look what the booklet for
Yxy(72.0035, 0.3225, 0.3216)
contains.

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Color

Yxy(72.2723, 0.3225, 0.3217)

Conversions

Conversions Part 1

Format	Color
Hex	ECD8DF
RGB	236, 216, 223
RGB Percent	93%, 85%, 87%
CMY	0.0747, 0.1528, 0.1255
CMYK	0.00, 0.08, 0.05, 0.07
HSL	339°, 34%, 89%
HSV	339°, 8%, 93%
XYZ	72.4520, 72.2723, 79.9331
YIQ	222.7780, 9.6730, 6.4170

Conversions

Conversions Part 2

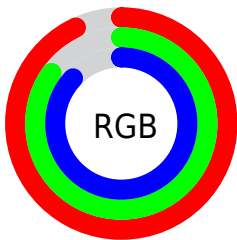
Format	Color
R _Y B	236, 216, 223
Decimal	15522015
CIE Lab	88.10, 8.04, -0.94
CIE LCh	88, 8.095, 353.343
Yxy	72.2723, 0.3225, 0.3217
Android (android.graphics.Color)	4293712095 (0xFFECD8DF)
YUV	222.7780, 0.1094, 11.5957
Hunter-Lab	85.0131, 3.3528, 3.7621

Details

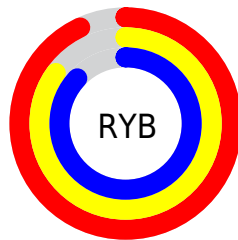
The Yxy color `72.2723, 0.3225, 0.3217` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `80.2189, 0.3038, 0.3364`, and the grayscale version is `73.6174, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `38.0202, 0.3247, 0.3195` is the 20% darker color. If you saturate the color by 10%, you get `60.2487, 0.3365, 0.3126`, and if you desaturate by 10%, it is `86.1132, 0.3111, 0.3303`.

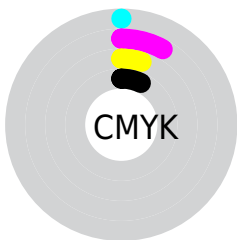
Distribution



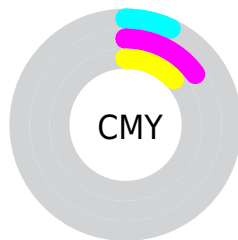
- Red (93%)
- Green (85%)
- Blue (87%)



- Red (93%)
- Yellow (85%)
- Blue (87%)



- Cyan (0%)
- Magenta (8%)
- Yellow (5%)
- Black (7%)




- Cyan (7%)
- Magenta (15%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.2723, 0.3225, 0.3217 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 72.2723, 0.3225, 0.3217 by changing the saturation by 10% instead.


 72.2723, 0.3225,
0.3217

 72.2723, 0.3225,
0.3217


468.4888, 0.3180,
0.3251

 53.3811, 0.3235,
0.3209


122.4436, 0.3209,
0.3229

 38.1071, 0.3248,
0.3200

154.4925, 0.3203,
0.3233

 26.0658, 0.3264,
0.3188


191.6962, 0.3198,
0.3237

 16.8729, 0.3286,
0.3172

234.4389, 0.3193,
0.3241

 10.1439, 0.3315,
0.3150

283.1051, 0.3189,
0.3244

 5.4945, 0.3357,
0.3119

338.0793, 0.3186,

 2.5402, 0.3424,

0.3246

0.3070

399.7457, 0.3183,
0.3249

0.8967, 0.3545,
0.2982

0.0000, 0.0000,
0.0000

72.2723, 0.3225,
0.3217

72.2723, 0.3225,
0.3217

60.2487, 0.3365,
0.3126

86.1132, 0.3111,
0.3303

49.9573, 0.3535,
0.3031

96.4792, 0.3018,
0.3303

41.3203, 0.3742,
0.2936

96.5636, 0.3011,
0.3290

34.2503, 0.3988,
0.2847

■ 28.6517, 0.4274,
0.2774

■ 24.4183, 0.4595,
0.2727

■ 21.4297, 0.4935,
0.2720

■ 19.5437, 0.5270,
0.2763

■ 18.5568, 0.5573,
0.2853

Harmonies

Analogous

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



72.2723, 0.3129, 0.3153



72.2723, 0.3225, 0.3217



72.2723, 0.3295, 0.3300

Triad

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



72.2723, 0.3225, 0.3217



72.2723, 0.3220, 0.3461



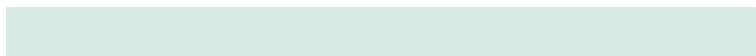
72.2723, 0.2938, 0.3193

Complementary

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



72.2723, 0.3225, 0.3217



80.2189, 0.3038, 0.3364

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.



72.2723, 0.2962, 0.3276



72.2723, 0.3225, 0.3217



72.2723, 0.3123, 0.3433

Square

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



72.2723, 0.3225, 0.3217



72.2723, 0.3292, 0.3442



72.2723, 0.3029, 0.3365



72.2723, 0.2964, 0.3138

Rectangle

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



72.2723, 0.3225, 0.3217



72.2723, 0.3318, 0.3357



72.2723, 0.3029, 0.3365



72.2723, 0.2941, 0.3219

Sweetspot

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



72.2755, 0.3225, 0.3217



94.8994, 0.3160, 0.3264



71.8315, 0.3087, 0.3080



20.0279, 0.3169, 0.3258



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.



72.2755, 0.3225, 0.3217



83.7730, 0.3245, 0.3203



73.4529, 0.3270, 0.3322



15.1410, 0.3238, 0.3208



10.1917, 0.5576, 0.2845



0.8179, 0.5190, 0.2633

Inverse Universe

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



72.2755, 0.3225, 0.3217



83.7730, 0.3245, 0.3203



78.9098, 0.2997, 0.3258



15.1410, 0.3238, 0.3208



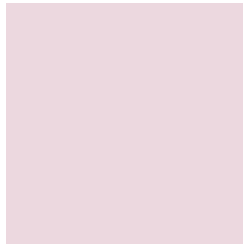
10.1917, 0.5576, 0.2845



0.8179, 0.5190, 0.2633

Previews

White Background



This preview shows how the Yxy color 72.2723, 0.3225, 0.3217 looks on a white background.

Color Contrast Check

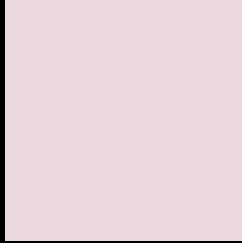
Large Text (above 18pt) WCAG AA × Fail

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 72.2723, 0.3225, 0.3217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

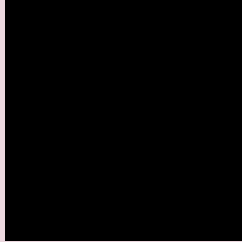
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

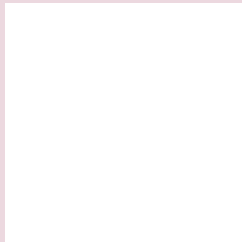
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.2723, 0.3225, 0.3217

Background



This preview shows how black text looks on a background with the Yxy color 72.2723, 0.3225, 0.3217.

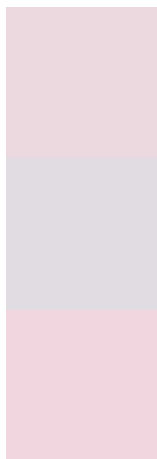


This preview shows how white text looks on a background with the Yxy color 72.2723, 0.3225, 0.3217.

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

72.2723, 0.3225, 0.3217

Protanopia

72.4699, 0.3123, 0.3236

Deuteranopia

72.1216, 0.3264, 0.3197



Tritanopia

72.4316, 0.3172, 0.3113

Trichromacy



Original Color

72.2723, 0.3225, 0.3217

Protanomaly

72.5388, 0.3158, 0.3237

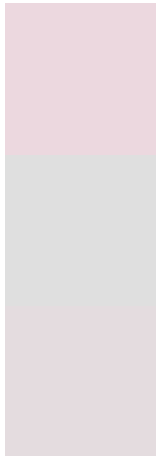
Deuteranomaly

72.2793, 0.3248, 0.3207

Tritanomaly

72.2625, 0.3192, 0.3144

Monochromacy



Original Color

72.2723, 0.3225, 0.3217

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

73.0081, 0.3164, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.2723, 0.3225, 0.3217 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, 216, 223)` looks like.

```
.text, #text, p{  
    color:rgb(236, 216, 223)  
}
```

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, 216, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 216, 223) }
```

Border

The CSS property to change the border of an element to Yxy 72.2723, 0.3225, 0.3217 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, 216, 223) }
```

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

```
.border{ border-color:rgb(236, 216, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 216, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 216, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 216, 223);  
box-shadow:4px 4px 4px 4px rgb(236, 216,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 72.2723, 0.3225, 0.3217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 216, 223) }
```

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

```
.background{ background-color: rgb(236,  
216, 223) }
```

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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