

Converting Colors

$Y_{xy}(70.5903, 0.3239, 0.3222)$

Have a look what the booklet for
Yxy(70.5903, 0.3239, 0.3222)
contains.

Yxy(70.4180, 0.3241, 0.3216)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.4180, 0.3241, 0.3216)

Conversions

Conversions Part 1

Format	Color
Hex	EBD5DC
RGB	235, 213, 220
RGB Percent	92%, 84%, 86%
CMY	0.0786, 0.1646, 0.1372
CMYK	0.00, 0.09, 0.06, 0.08
HSL	341°, 35%, 88%
HSV	341°, 9%, 92%
XYZ	70.9654, 70.4180, 77.5780
YIQ	220.3760, 10.8650, 6.8410

Conversions

Conversions Part 2

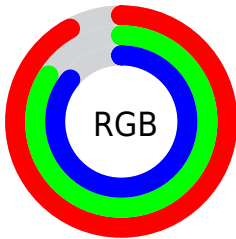
Format	Color
R _Y B	235, 213, 220
Decimal	15455708
CIE Lab	87.20, 8.77, -0.70
CIE LCh	87, 8.793, 355.453
Yxy	70.4180, 0.3241, 0.3216
Android (android.graphics.Color)	4293645788 (0xFFEBD5DC)
YUV	220.3760, -0.1854, 12.8252
Hunter-Lab	83.9154, 4.1014, 3.9285

Details

The Yxy color **70.4180, 0.3241, 0.3216** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79.1402, 0.3025, 0.3365**, and the grayscale version is **71.8417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.7540, 0.3268, 0.3194** is the 20% darker color. If you saturate the color by 10%, you get **58.6364, 0.3390, 0.3132**, and if you desaturate by 10%, it is **83.9992, 0.3120, 0.3295**.

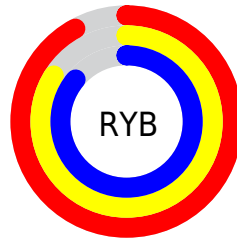
Distribution



Red (92%)

Green (84%)

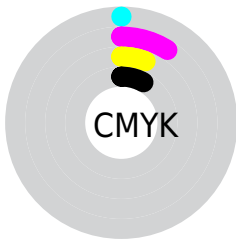
Blue (86%)



Red (92%)

Yellow (84%)

Blue (86%)

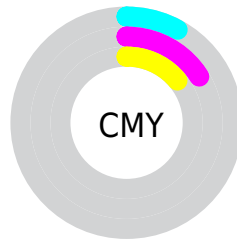


Cyan (0%)

Magenta (9%)

Yellow (6%)

Black (8%)



Cyan (8%)


Magenta (16%)


Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.4180, 0.3241, 0.3216 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 70.4180, 0.3241, 0.3216 by changing the saturation by 10% instead.


 70.4180, 0.3241,
0.3216

 70.4180, 0.3241,
0.3216

462.0163, 0.3188,
0.3250

 51.8674, 0.3253,
0.3208

119.8047, 0.3223,
0.3228

 36.8994, 0.3268,
0.3198


151.4095, 0.3215,
0.3233

 25.1296, 0.3288,
0.3186


188.1345, 0.3209,
0.3237

 16.1736, 0.3313,
0.3170

230.3641, 0.3204,
0.3240

 9.6471, 0.3348,
0.3147

278.4827, 0.3199,
0.3243

 5.1656, 0.3398,
0.3114

332.8747, 0.3195,

 2.3448, 0.3479,

0.3246

0.3063

393.9244, 0.3191,
0.3248

0.7972, 0.3634,
0.2961

0.0000, 0.0000,
0.0000

70.4180, 0.3241,
0.3216

70.4180, 0.3241,
0.3216

58.6364, 0.3390,
0.3132

83.9992, 0.3120,
0.3295

48.5696, 0.3572,
0.3045

96.2039, 0.3022,
0.3319

40.1396, 0.3792,
0.2958

96.3951, 0.3005,
0.3290

33.2591, 0.4055,
0.2879

■ 27.8322, 0.4361,
0.2814

■ 23.7524, 0.4702,
0.2777

■ 20.8984, 0.5060,
0.2780

■ 19.1267, 0.5406,
0.2831

■ 18.2120, 0.5712,
0.2924

Harmonies

Analogous

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



70.4180, 0.3137, 0.3144



70.4180, 0.3241, 0.3216



70.4180, 0.3315, 0.3308

Triad

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



70.4180, 0.3241, 0.3216



70.4180, 0.3221, 0.3477



70.4180, 0.2921, 0.3178

Complementary

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



70.4180, 0.3241, 0.3216



79.1402, 0.3025, 0.3365

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.



70.4180, 0.2943, 0.3268



70.4180, 0.3241, 0.3216



70.4180, 0.3115, 0.3443

Square

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



70.4180, 0.3241, 0.3216



70.4180, 0.3304, 0.3459



70.4180, 0.3013, 0.3365



70.4180, 0.2953, 0.3121

Rectangle

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



70.4180, 0.3241, 0.3216



70.4180, 0.3337, 0.3369



70.4180, 0.3013, 0.3365



70.4180, 0.2922, 0.3206

Sweetspot

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



70.4211, 0.3241, 0.3216



94.8850, 0.3162, 0.3267



70.0291, 0.3085, 0.3057



20.0240, 0.3171, 0.3260



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.



70.4211, 0.3241, 0.3216



82.2216, 0.3264, 0.3202



71.9181, 0.3286, 0.3329



15.1333, 0.3243, 0.3215



10.1335, 0.5689, 0.2908



0.8127, 0.5297, 0.2692

Inverse Universe

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



70.4211, 0.3241, 0.3216



82.2216, 0.3264, 0.3202



77.4653, 0.2983, 0.3250



15.1333, 0.3243, 0.3215



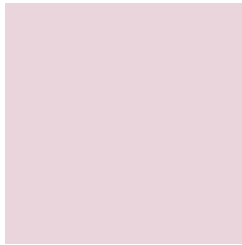
10.1335, 0.5689, 0.2908



0.8127, 0.5297, 0.2692

Previews

White Background



This preview shows how the Yxy color 70.4180, 0.3241, 0.3216 looks on a white background.

Color Contrast Check

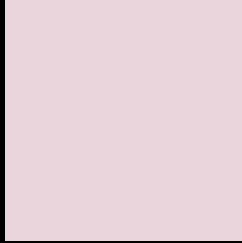
Large Text (above 18pt) WCAG AA × Fail

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 70.4180, 0.3241, 0.3216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

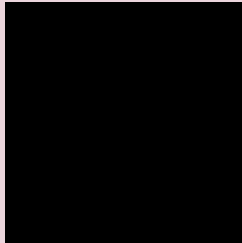
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.4180, 0.3241, 0.3216

Background



This preview shows how black text looks on a background with the Yxy color 70.4180, 0.3241, 0.3216.

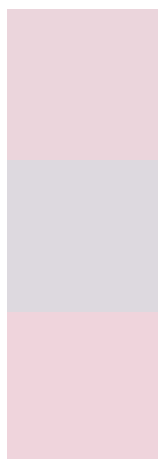


This preview shows how white text looks on a background with the Yxy color 70.4180, 0.3241, 0.3216.

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

70.4180, 0.3241, 0.3216

Protanopia

70.3256, 0.3116, 0.3225

Deuteranopia

70.6050, 0.3272, 0.3206



Tritanopia

70.5213, 0.3194, 0.3122

Trichromacy



Original Color

70.4180, 0.3241, 0.3216

Protanomaly

70.5544, 0.3159, 0.3225

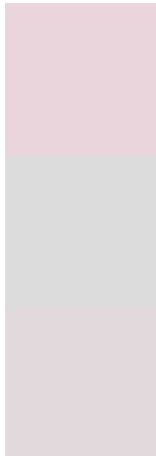
Deuteranomaly

70.4314, 0.3265, 0.3206

Tritanomaly

70.3561, 0.3215, 0.3153

Monochromacy



Original Color

70.4180, 0.3241, 0.3216

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

70.8006, 0.3165, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4180, 0.3241, 0.3216 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(235, 213, 220)` looks like.

```
.text, #text, p{  
    color:rgb(235, 213, 220)  
}
```

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(235, 213, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 213, 220) }
```

Border

The CSS property to change the border of an element to Yxy 70.4180, 0.3241, 0.3216 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(235, 213, 220) }
```

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

```
.border{ border-color:rgb(235, 213, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 213, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(235, 213, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(235, 213, 220); box-shadow:4px 4px 4px 4px rgb(235, 213, 220) }
```


Background

The CSS property to change the background color of an element to Yxy 70.4180, 0.3241, 0.3216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 213, 220) }
```

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

```
.background{ background-color: rgb(235,  
213, 220) }
```

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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