

Converting Colors

$Y_{xy}(67.7275, 0.3121, 0.2936)$

Have a look what the booklet for
Yxy(67.7275, 0.3121, 0.2936)
contains.

Yxy(67.7275, 0.3121, 0.2936)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.7275, 0.3121, 0.2936)

Conversions

Conversions Part 1

Format	Color
Hex	ECCDEF
RGB	236, 205, 239
RGB Percent	93%, 80%, 94%
CMY	0.0747, 0.1960, 0.0627
CMYK	0.01, 0.14, 0.00, 0.06
HSL	295°, 52%, 87%
HSV	295°, 14%, 94%
XYZ	71.9951, 67.7275, 90.9569
YIQ	218.1450, 7.5620, 17.1460

Conversions

Conversions Part 2

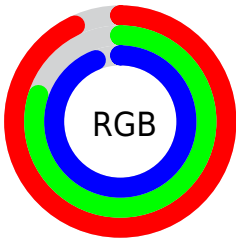
Format	Color
R _Y B	236, 205, 239
Decimal	15519215
CIE Lab	85.87, 16.69, -12.72
CIE LCh	86, 20.984, 322.680
Yxy	67.7275, 0.3121, 0.2936
Android (android.graphics.Color)	4293709295 (0xFFECCDEF)
YUV	218.1450, 10.2815, 15.6588
Hunter-Lab	82.2967, 12.1367, -7.9215

Details

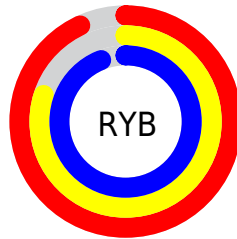
The Yxy color $67.7275, 0.3121, 0.2936$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $79.5778, 0.3130, 0.3666$, and the grayscale version is $70.1397, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $35.2554, 0.3118, 0.2860$ is the 20% darker color. If you saturate the color by 10%, you get $56.7873, 0.3114, 0.2679$, and if you desaturate by 10%, it is $80.4249, 0.3126, 0.3187$.

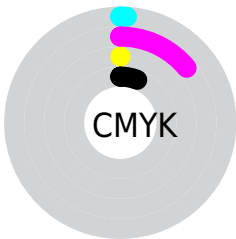
Distribution



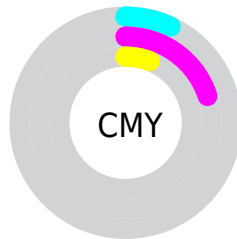
- Red (93%)
- Green (80%)
- Blue (94%)



- Red (93%)
- Yellow (80%)
- Blue (94%)



- Cyan (1%)
- Magenta (14%)
- Yellow (0%)
- Black (6%)




- Cyan (7%)
- Magenta (20%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.7275, 0.3121, 0.2936 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 67.7275, 0.3121, 0.2936 by changing the saturation by 10% instead.


 67.7275, 0.3121,
0.2936

 67.7275, 0.3121,
0.2936


452.5299, 0.3126,
0.3097

 49.6761, 0.3119,
0.2900

115.9622, 0.3123,
0.2992

 35.1561, 0.3117,
0.2855


146.9143, 0.3124,
0.3013

 23.7831, 0.3114,
0.2799


182.9354, 0.3124,
0.3032

 15.1728, 0.3110,
0.2727

224.4099, 0.3125,
0.3048

 8.9408, 0.3102,
0.2630

271.7222, 0.3125,
0.3063

 4.7026, 0.3090,
0.2493

325.2568, 0.3125,

 2.0738, 0.3065,

0.3076

0.2286

385.3978, 0.3126,
0.3087

0.6498, 0.3025,
0.1892

0.0000, 0.0000,
0.0000

67.7275, 0.3121,
0.2936

67.7275, 0.3121,
0.2936

56.7873, 0.3114,
0.2679

80.4249, 0.3126,
0.3187

47.5164, 0.3104,
0.2424

94.9447, 0.3129,
0.3427

39.8327, 0.3091,
0.2180

96.7057, 0.3141,
0.3447

33.6436, 0.3076,
0.1957

97.0903, 0.3154,
0.3447

■ 28.8469, 0.3058,
0.1765

■ 97.4794, 0.3168,
0.3446

■ 25.3275, 0.3038,
0.1612

■ 97.8730, 0.3182,
0.3446

■ 22.9521, 0.3016,
0.1503

■ 98.2712, 0.3195,
0.3445

■ 21.5577, 0.2993,
0.1438

■ 98.6739, 0.3209,
0.3444

■ 21.0570, 0.2980,
0.1415

■ 99.0134, 0.3220,
0.3444

Harmonies

Analogous

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



67.7275, 0.2873, 0.2862



67.7275, 0.3121, 0.2936



67.7275, 0.3380, 0.3095

Triad

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



67.7275, 0.3121, 0.2936



67.7275, 0.3567, 0.3685



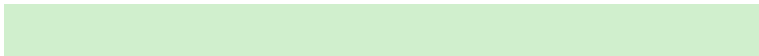
67.7275, 0.2698, 0.3250

Complementary

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



67.7275, 0.3121, 0.2936



79.5778, 0.3130, 0.3666

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.



67.7275, 0.2871, 0.3495



67.7275, 0.3121, 0.2936



67.7275, 0.3372, 0.3751

Square

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



67.7275, 0.3121, 0.2936



67.7275, 0.3643, 0.3518



67.7275, 0.3116, 0.3683



67.7275, 0.2637, 0.3030

Rectangle

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



67.7275, 0.3121, 0.2936



67.7275, 0.3521, 0.3231



67.7275, 0.3116, 0.3683



67.7275, 0.2745, 0.3333

Sweetspot

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



67.7304, 0.3121, 0.2936



93.4898, 0.3126, 0.3192



64.5315, 0.2899, 0.2950



19.7568, 0.3126, 0.3174



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.



67.7304, 0.3121, 0.2936



74.6582, 0.3119, 0.2864



67.4856, 0.3240, 0.3076



15.9547, 0.3124, 0.3056



11.6641, 0.2983, 0.1417



0.9914, 0.3015, 0.1435

Inverse Universe

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



66.5846, 0.3368, 0.3258



73.1073, 0.3426, 0.3251



79.8232, 0.3028, 0.3514



15.7820, 0.3279, 0.3269



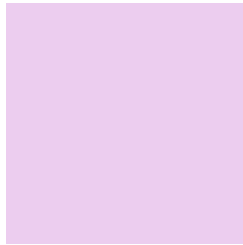
10.1801, 0.6299, 0.3244



0.8547, 0.6070, 0.3118

Previews

White Background



This preview shows how the Yxy color 67.7275, 0.3121, 0.2936 looks on a white background.

Color Contrast Check

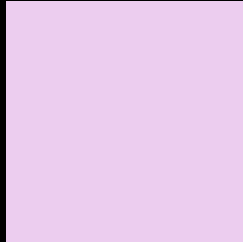
Large Text (above 18pt) WCAG AA × Fail

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 67.7275, 0.3121, 0.2936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

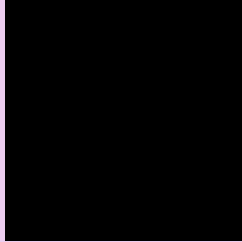
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.7275, 0.3121, 0.2936

Background



This preview shows how black text looks on a background with the Yxy color 67.7275, 0.3121, 0.2936.



This preview shows how white text looks on a background with the Yxy color 67.7275, 0.3121, 0.2936.

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

67.7275, 0.3121, 0.2936

Protanopia

67.8218, 0.2904, 0.2953

Deuteranopia

67.7815, 0.3047, 0.2981



Tritanopia

67.9860, 0.3210, 0.3120

Trichromacy



Original Color

67.7275, 0.3121, 0.2936

Protanomaly

67.5641, 0.2978, 0.2947

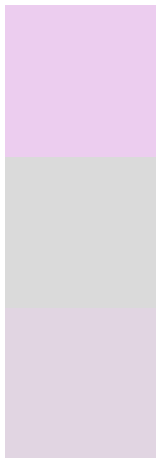
Deuteranomaly

67.9428, 0.3076, 0.2973

Tritanomaly

67.9450, 0.3183, 0.3058

Monochromacy



Original Color

67.7275, 0.3121, 0.2936

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

69.0870, 0.3126, 0.3150

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7275, 0.3121, 0.2936 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, 205, 239)` looks like.

```
.text, #text, p{  
    color:rgb(236, 205, 239)  
}
```

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, 205, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 205, 239) }
```

Border

The CSS property to change the border of an element to Yxy 67.7275, 0.3121, 0.2936 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, 205, 239) }
```

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

```
.border{ border-color:rgb(236, 205, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 205, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 205, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 205, 239);  
box-shadow:4px 4px 4px 4px rgb(236, 205,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7275, 0.3121, 0.2936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 205, 239) }
```

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

```
.background{ background-color: rgb(236,  
205, 239) }
```

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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