

Converting Colors

$Y_{xy}(70.8728, 0.3029, 0.2933)$

Have a look what the booklet for
Yxy(70.8728, 0.3029, 0.2933)
contains.

Yxy(70.7913, 0.3030, 0.2927)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(70.7913, 0.3030, 0.2927)

Conversions

Conversions Part 1

Format	Color
Hex	E7D4F7
RGB	231, 212, 247
RGB Percent	91%, 83%, 97%
CMY	0.0941, 0.1686, 0.0314
CMYK	0.06, 0.14, 0.00, 0.03
HSL	273°, 69%, 90%
HSV	273°, 14%, 97%
XYZ	73.2824, 70.7913, 97.7824
YIQ	221.6710, 0.0890, 14.9130

Conversions

Conversions Part 2

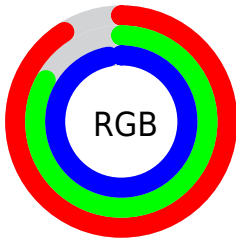
Format	Color
R _Y B	231, 212, 247
Decimal	15193335
CIE Lab	87.38, 12.87, -14.71
CIE LCh	87, 19.543, 311.170
Yxy	70.7913, 0.3030, 0.2927
Android (android.graphics.Color)	4293383415 (0xFFE7D4F7)
YUV	221.6710, 12.4872, 8.1815
Hunter-Lab	84.1376, 8.2298, -10.0090

Details

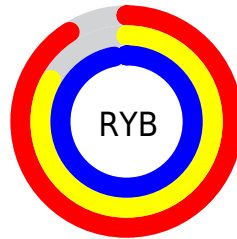
The Yxy color $70.7913, 0.3030, 0.2927$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $87.7593, 0.3213, 0.3656$, and the grayscale version is $72.7139, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $36.9895, 0.2999, 0.2835$ is the 20% darker color. If you saturate the color by 10%, you get $57.5565, 0.2947, 0.2648$, and if you desaturate by 10%, it is $86.0421, 0.3101, 0.3188$.

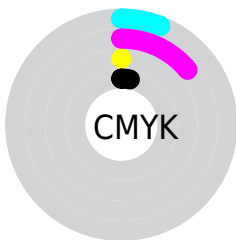
Distribution



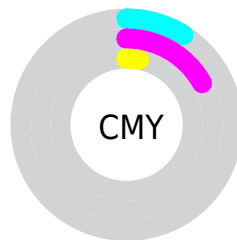
- Red (91%)
- Green (83%)
- Blue (97%)



- Red (91%)
- Yellow (83%)
- Blue (97%)



- Cyan (6%)
- Magenta (14%)
- Yellow (0%)
- Black (3%)





- Cyan (9%)
- Magenta (17%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.7913, 0.3030, 0.2927 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 70.7913, 0.3030, 0.2927 by changing the saturation by 10% instead.


 70.7913, 0.3030,
0.2927

 70.7913, 0.3030,
0.2927


463.3235, 0.3077,
0.3092

 52.1719, 0.3019,
0.2890


120.3365, 0.3046,
0.2983

 37.1421, 0.3005,
0.2845


152.0311, 0.3053,
0.3006

 25.3175, 0.2987,
0.2789


188.8529, 0.3058,
0.3025

 16.3138, 0.2964,
0.2716

231.1863, 0.3063,
0.3041

 9.7465, 0.2931,
0.2619

279.4156, 0.3067,
0.3056

 5.2312, 0.2882,
0.2484

333.9254, 0.3071,

 2.3835, 0.2803,

0.3069

0.2281

395.0999, 0.3074,
0.3081

■ 0.8174, 0.2657,
0.1945

■ 0.0000, 0.0515,
0.0000

■ 70.7913, 0.3030,
0.2927

■ 70.7913, 0.3030,
0.2927

■ 57.5565, 0.2947,
0.2648

■ 86.0421, 0.3101,
0.3188

■ 46.2408, 0.2852,
0.2358

■ 99.2257, 0.3165,
0.3367

■ 36.7528, 0.2746,
0.2063

■ 99.4943, 0.3174,
0.3367

■ 28.9898, 0.2630,
0.1776

■ 22.8387, 0.2507,
0.1511

■ 18.1723, 0.2384,
0.1283

■ 14.8432, 0.2264,
0.1103

■ 12.6719, 0.2152,
0.0978

■ 11.7871, 0.2092,
0.0926

Harmonies

Analogous

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



70.7913, 0.2822, 0.2895



70.7913, 0.3030, 0.2927



70.7913, 0.3271, 0.3047

Triad

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



70.7913, 0.3030, 0.2927



70.7913, 0.3572, 0.3603



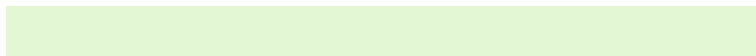
70.7913, 0.2783, 0.3341

Complementary

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



70.7913, 0.3030, 0.2927



87.7593, 0.3213, 0.3656

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.



70.7913, 0.2974, 0.3553



70.7913, 0.3030, 0.2927



70.7913, 0.3431, 0.3703

Square

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



70.7913, 0.3030, 0.2927



70.7913, 0.3591, 0.3428



70.7913, 0.3211, 0.3688



70.7913, 0.2684, 0.3124

Rectangle

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



70.7913, 0.3030, 0.2927



70.7913, 0.3418, 0.3162



70.7913, 0.3211, 0.3688



70.7913, 0.2839, 0.3416

Sweetspot

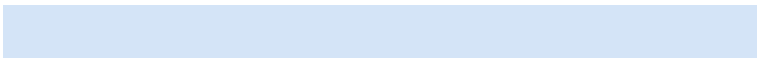
The Sweet Spot groups the original color and five complimentary colors.



70.7943, 0.3030, 0.2927



92.7900, 0.3102, 0.3191



76.3821, 0.2905, 0.3091



19.5793, 0.3097, 0.3173



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.



70.7943, 0.3030, 0.2927



71.8248, 0.3007, 0.2849



73.5060, 0.3151, 0.2951



16.3698, 0.3065, 0.3051



6.3203, 0.2109, 0.0935



0.6166, 0.2238, 0.1007

Inverse Universe

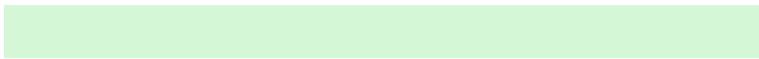
The Inverse Universe completely reimagines the original color for something new.



72.4649, 0.3275, 0.3127



73.9683, 0.3310, 0.3092



85.3228, 0.3103, 0.3654



16.6086, 0.3222, 0.3182



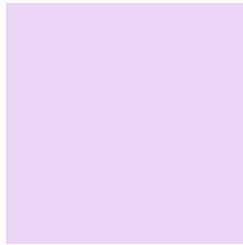
11.1156, 0.5141, 0.2606



0.9974, 0.4838, 0.2439

Previews

White Background



This preview shows how the Yxy color 70.7913, 0.3030, 0.2927 looks on a white background.

Color Contrast Check

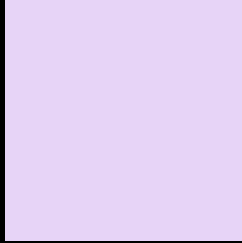
Large Text (above 18pt) WCAG AA × Fail

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 70.7913, 0.3030, 0.2927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

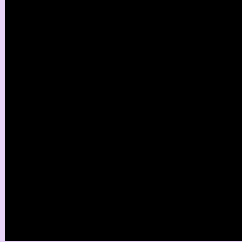
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

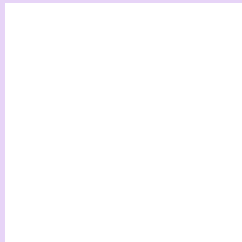
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.7913, 0.3030, 0.2927

Background



This preview shows how black text looks on a background with the Yxy color 70.7913, 0.3030, 0.2927.

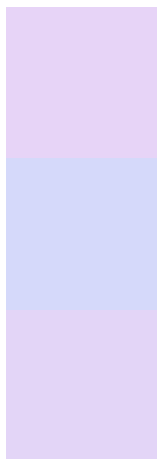


This preview shows how white text looks on a background with the Yxy color 70.7913, 0.3030, 0.2927.

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

70.7913, 0.3030, 0.2927

Protanopia

70.6740, 0.2889, 0.2937

Deuteranopia

70.6348, 0.3002, 0.2934



Tritanopia

71.0851, 0.3114, 0.3110

Trichromacy



Original Color

70.7913, 0.3030, 0.2927

Protanomaly

70.6561, 0.2941, 0.2931

Deuteranomaly

70.7979, 0.3009, 0.2935

Tritanomaly

71.0306, 0.3088, 0.3048

Monochromacy



Original Color

70.7913, 0.3030, 0.2927

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

71.9199, 0.3091, 0.3151

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7913, 0.3030, 0.2927 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(231, 212, 247)` looks like.

```
.text, #text, p{  
    color:rgb(231, 212, 247)  
}
```

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(231, 212, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 212, 247) }
```

Border

The CSS property to change the border of an element to Yxy 70.7913, 0.3030, 0.2927 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(231, 212, 247) }
```

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

```
.border{ border-color:rgb(231, 212, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 212, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 212, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 212, 247);  
box-shadow:4px 4px 4px 4px rgb(231, 212,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7913, 0.3030, 0.2927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 212, 247) }
```

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

```
.background{ background-color: rgb(231,  
212, 247) }
```

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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