

Converting Colors

$Y_{xy}(70.5800, 0.3050, 0.2881)$

Have a look what the booklet for
Yxy(70.5800, 0.3050, 0.2881)
contains.

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Color

Yxy(70.7656, 0.3052, 0.2890)

Conversions

Conversions Part 1

Format	Color
Hex	ECD2F9
RGB	236, 210, 249
RGB Percent	93%, 82%, 98%
CMY	0.0746, 0.1764, 0.0234
CMYK	0.05, 0.16, 0.00, 0.02
HSL	280°, 77%, 90%
HSV	280°, 16%, 98%
XYZ	74.7324, 70.7656, 99.3657
YIQ	222.2200, 2.9770, 17.6410

Conversions

Conversions Part 2

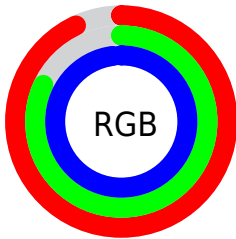
Format	Color
R _{YB}	236, 210, 249
Decimal	15520505
CIE Lab	87.37, 15.92, -15.77
CIE LCh	87, 22.409, 315.280
Yxy	70.7656, 0.3052, 0.2890
Android (android.graphics.Color)	4293710585 (0xFFECD2F9)
YUV	222.2200, 13.2025, 12.0851
Hunter-Lab	84.1223, 11.3615, -11.1480

Details

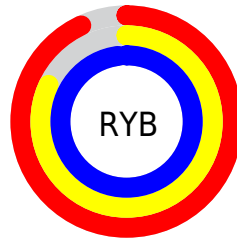
The Yxy color $70.7656, 0.3052, 0.2890$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $88.1234, 0.3191, 0.3701$, and the grayscale version is $73.1140, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $36.9962, 0.3028, 0.2789$ is the 20% darker color. If you saturate the color by 10%, you get $58.0192, 0.2993, 0.2617$, and if you desaturate by 10%, it is $85.4980, 0.3102, 0.3150$.

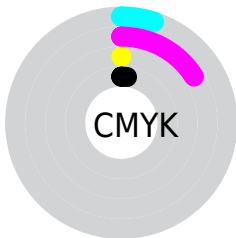
Distribution



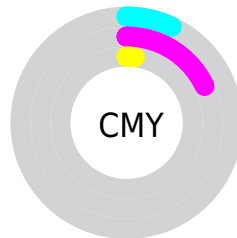
- Red (93%)
- Green (82%)
- Blue (98%)



- Red (93%)
- Yellow (82%)
- Blue (98%)



- Cyan (5%)
- Magenta (16%)
- Yellow (0%)
- Black (2%)





- Cyan (7%)
- Magenta (18%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.7656, 0.3052, 0.2890 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 70.7656, 0.3052, 0.2890 by changing the saturation by 10% instead.

 70.7656, 0.3052,
0.2890

 70.7656, 0.3052,
0.2890

463.2336, 0.3089,
0.3071

 52.1509, 0.3043,
0.2850


120.2999, 0.3065,
0.2952

 37.1254, 0.3032,
0.2801


151.9883, 0.3070,
0.2976

 25.3046, 0.3017,
0.2740


188.8035, 0.3075,
0.2997

 16.3041, 0.2998,
0.2661

231.1297, 0.3078,
0.3015

 9.7396, 0.2970,
0.2556

279.3515, 0.3081,
0.3032

 5.2267, 0.2928,
0.2411

333.8531, 0.3084,

 2.3809, 0.2860,

0.3046

0.2196

395.0190, 0.3087,
0.3059

0.8160, 0.2730,
0.1846

0.0000, 0.1249,
0.0000

70.7656, 0.3052,
0.2890

70.7656, 0.3052,
0.2890

58.0192, 0.2993,
0.2617

85.4980, 0.3102,
0.3150

47.1605, 0.2924,
0.2337

99.1769, 0.3147,
0.3347

38.0967, 0.2847,
0.2059

99.6214, 0.3162,
0.3347

30.7230, 0.2762,
0.1796

■ 24.9236, 0.2672,
0.1559

■ 20.5677, 0.2580,
0.1361

■ 17.5028, 0.2489,
0.1210

■ 15.5404, 0.2402,
0.1110

■ 14.9110, 0.2366,
0.1077

Harmonies

Analogous

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



70.7656, 0.2806, 0.2838



70.7656, 0.3052, 0.2890



70.7656, 0.3329, 0.3037

Triad

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



70.7656, 0.3052, 0.2890



70.7656, 0.3623, 0.3669



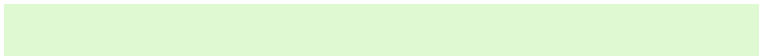
70.7656, 0.2712, 0.3312

Complementary

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



70.7656, 0.3052, 0.2890



88.1234, 0.3191, 0.3701

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.



70.7656, 0.2916, 0.3564



70.7656, 0.3052, 0.2890



70.7656, 0.3443, 0.3771

Square

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



70.7656, 0.3052, 0.2890



70.7656, 0.3667, 0.3475



70.7656, 0.3184, 0.3736



70.7656, 0.2616, 0.3067

Rectangle

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



70.7656, 0.3052, 0.2890



70.7656, 0.3492, 0.3173



70.7656, 0.3184, 0.3736



70.7656, 0.2769, 0.3399

Sweetspot

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



70.7686, 0.3052, 0.2890



91.3325, 0.3105, 0.3167



73.6788, 0.2878, 0.3018



19.2976, 0.3102, 0.3149



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.



70.7686, 0.3052, 0.2890



69.9401, 0.3033, 0.2800



72.7269, 0.3185, 0.2958



17.2165, 0.3084, 0.3052



8.0605, 0.2379, 0.1084



0.8046, 0.2479, 0.1139

Inverse Universe

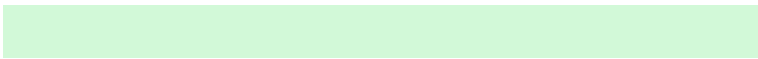
The Inverse Universe completely reimagines the original color for something new.



71.5770, 0.3328, 0.3157



70.9833, 0.3380, 0.3127



86.4241, 0.3074, 0.3647



17.3211, 0.3241, 0.3211



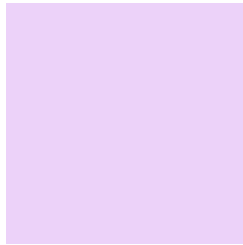
11.1414, 0.5639, 0.2880



1.0507, 0.5305, 0.2696

Previews

White Background



This preview shows how the Yxy color 70.7656, 0.3052, 0.2890 looks on a white background.

Color Contrast Check

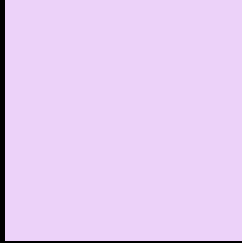
Large Text (above 18pt) WCAG AA × Fail

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 70.7656, 0.3052, 0.2890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

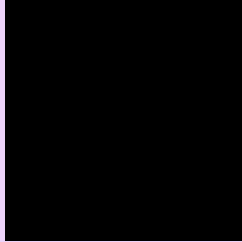
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

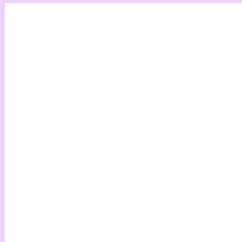
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.7656, 0.3052, 0.2890

Background



This preview shows how black text looks on a background with the Yxy color 70.7656, 0.3052, 0.2890.



This preview shows how white text looks on a background with the Yxy color 70.7656, 0.3052, 0.2890.

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

70.7656, 0.3052, 0.2890

Protanopia

70.7785, 0.2858, 0.2896

Deuteranopia

70.6967, 0.2996, 0.2924



Tritanopia

70.6253, 0.3157, 0.3111

Trichromacy



Original Color

70.7656, 0.3052, 0.2890

Protanomaly

70.4936, 0.2929, 0.2891

Deuteranomaly

70.6873, 0.3016, 0.2916

Tritanomaly

70.6938, 0.3118, 0.3029

Monochromacy



Original Color

70.7656, 0.3052, 0.2890

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

72.2999, 0.3099, 0.3141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7656, 0.3052, 0.2890 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, 210, 249)` looks like.

```
.text, #text, p{  
    color:rgb(236, 210, 249)  
}
```

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, 210, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 210, 249) }
```

Border

The CSS property to change the border of an element to Yxy 70.7656, 0.3052, 0.2890 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, 210, 249) }
```

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

```
.border{ border-color:rgb(236, 210, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 210, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 210, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 210, 249);  
box-shadow:4px 4px 4px 4px rgb(236, 210,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7656, 0.3052, 0.2890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 210, 249) }
```

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

```
.background{ background-color: rgb(236,  
210, 249) }
```

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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