

Converting Colors

$Y_{xy}(72.1065, 0.3019, 0.2850)$

Have a look what the booklet for
Yxy(72.1065, 0.3019, 0.2850)
contains.

Yxy(72.3115, 0.3020, 0.2854)	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(72.3115, 0.3020, 0.2854)

Conversions

Conversions Part 1

Format	Color
Hex	EDD4FF
RGB	237, 212, 255
RGB Percent	93%, 83%, 100%
CMY	0.0706, 0.1686, 0.0000
CMYK	0.07, 0.17, 0.00, 0.00
HSL	275°, 100%, 92%
HSV	275°, 17%, 100%
XYZ	76.5174, 72.3115, 104.5400
YIQ	224.3770, 1.0970, 18.6730

Conversions

Conversions Part 2

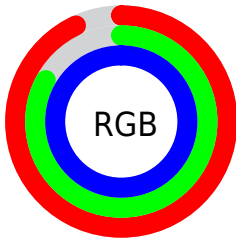
Format	Color
R _Y B	237, 212, 255
Decimal	15586559
CIE Lab	88.12, 16.35, -17.79
CIE LCh	88, 24.161, 312.579
Yxy	72.3115, 0.3020, 0.2854
Android (android.graphics.Color)	4293776639 (0xFFEDD4FF)
YUV	224.3770, 15.0971, 11.0704
Hunter-Lab	85.0362, 11.8050, -13.3634

Details

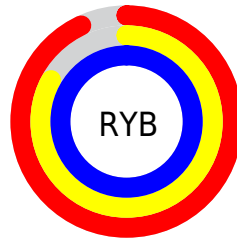
The Yxy color $72.3115, 0.3020, 0.2854$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $93.0992, 0.3219, 0.3733$, and the grayscale version is $74.7150, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $38.0149, 0.2995, 0.2757$ is the 20% darker color. If you saturate the color by 10%, you get $58.7712, 0.2942, 0.2574$, and if you desaturate by 10%, it is $87.9794, 0.3087, 0.3119$.

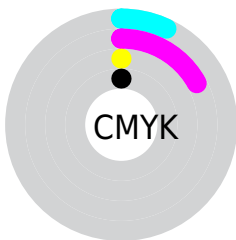
Distribution



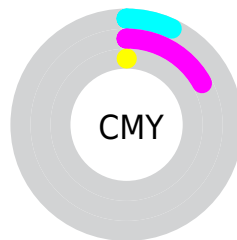
- Red (93%)
- Green (83%)
- Blue (100%)



- Red (93%)
- Yellow (83%)
- Blue (100%)



- Cyan (7%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)





- Cyan (7%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.3115, 0.3020, 0.2854 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 72.3115, 0.3020, 0.2854 by changing the saturation by 10% instead.


 72.3115, 0.3020,
0.2854

 72.3115, 0.3020,
0.2854

468.6251, 0.3072,
0.3050

 53.4132, 0.3008,
0.2811


122.4993, 0.3038,
0.2921

 38.1327, 0.2992,
0.2758


154.5576, 0.3045,
0.2947

 26.0857, 0.2973,
0.2693


191.7713, 0.3051,
0.2970

 16.8878, 0.2946,
0.2609

234.5248, 0.3057,
0.2990

 10.1545, 0.2910,
0.2498

283.2025, 0.3061,
0.3007

 5.5015, 0.2856,
0.2346

338.1889, 0.3065,

 2.5444, 0.2769,

0.3023

0.2123

399.8683, 0.3069,
0.3037

0.8988, 0.2611,
0.1772

0.0000, 0.1649,
0.0000

72.3115, 0.3020,
0.2854

72.3115, 0.3020,
0.2854

58.7712, 0.2942,
0.2574

87.9794, 0.3087,
0.3119

47.2552, 0.2852,
0.2284

100.0000, 0.3127,
0.3290

37.6621, 0.2752,
0.1995

29.8786, 0.2644,
0.1719

■ 23.7795, 0.2530,
0.1470

■ 19.2226, 0.2416,
0.1261

■ 16.0415, 0.2306,
0.1102

■ 14.0257, 0.2203,
0.0997

■ 13.5341, 0.2173,
0.0970

Harmonies

Analogous

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



72.3115, 0.2764, 0.2808



72.3115, 0.3020, 0.2854



72.3115, 0.3317, 0.3003

Triad

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



72.3115, 0.3020, 0.2854



72.3115, 0.3669, 0.3679



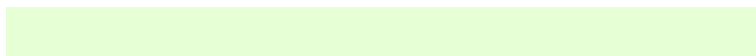
72.3115, 0.2698, 0.3338

Complementary

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



72.3115, 0.3020, 0.2854



93.0992, 0.3219, 0.3733

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.



72.3115, 0.2925, 0.3605



72.3115, 0.3020, 0.2854



72.3115, 0.3487, 0.3801

Square

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



72.3115, 0.3020, 0.2854



72.3115, 0.3701, 0.3465



72.3115, 0.3213, 0.3779



72.3115, 0.2586, 0.3071

Rectangle

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



72.3115, 0.3020, 0.2854



72.3115, 0.3496, 0.3143



72.3115, 0.3213, 0.3779



72.3115, 0.2763, 0.3432

Sweetspot

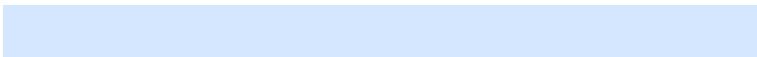
The Sweet Spot groups the original color and five complimentary colors.



72.3139, 0.3020, 0.2854



91.1344, 0.3099, 0.3166



78.1672, 0.2860, 0.3034



19.2494, 0.3094, 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.



72.3139, 0.3020, 0.2854



67.8371, 0.2997, 0.2767



75.3874, 0.3166, 0.2898



17.8991, 0.3071, 0.3051



7.1616, 0.2188, 0.0979



0.7615, 0.2300, 0.1041

Inverse Universe

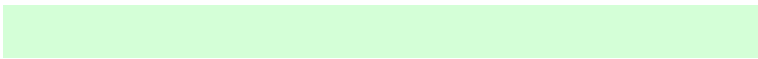
The Inverse Universe completely reimagines the original color for something new.



74.0646, 0.3320, 0.3110



69.9017, 0.3364, 0.3075



90.4179, 0.3090, 0.3717



18.1133, 0.3228, 0.3191



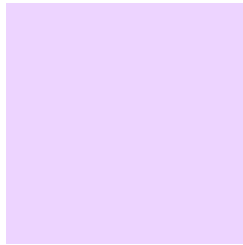
11.6895, 0.5307, 0.2697



1.1594, 0.5012, 0.2535

Previews

White Background



This preview shows how the Yxy color 72.3115, 0.3020, 0.2854 looks on a white background.

Color Contrast Check

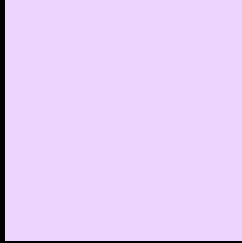
Large Text (above 18pt) WCAG AA × Fail

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 72.3115, 0.3020, 0.2854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

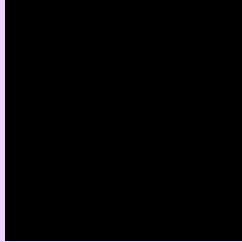
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

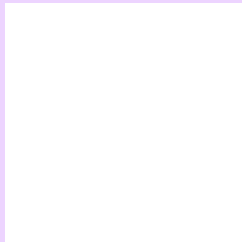
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.3115, 0.3020, 0.2854

Background



This preview shows how black text looks on a background with the Yxy color 72.3115, 0.3020, 0.2854.

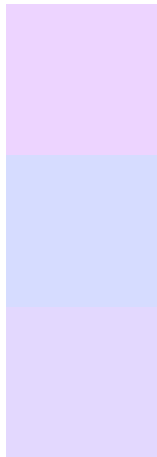


This preview shows how white text looks on a background with the Yxy color 72.3115, 0.3020, 0.2854.

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

72.3115, 0.3020, 0.2854

Protanopia

72.7025, 0.2867, 0.2920

Deuteranopia

72.5984, 0.2958, 0.2897



Tritanopia

72.4874, 0.3143, 0.3112

Trichromacy



Original Color

72.3115, 0.3020, 0.2854

Protanomaly

72.3753, 0.2918, 0.2894

Deuteranomaly

72.7456, 0.2985, 0.2890

Tritanomaly

72.6139, 0.3097, 0.3021

Monochromacy



Original Color

72.3115, 0.3020, 0.2854

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

73.8426, 0.3092, 0.3132

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.3115, 0.3020, 0.2854 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(237, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 212, 255)  
}
```

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(237, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 212, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.3115, 0.3020, 0.2854 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(237, 212, 255) }
```

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

```
.border{ border-color:rgb(237, 212, 255) }
```

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

Here you see how a box with a 4 pixel rgb(237, 212, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 212,  
255) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.3115, 0.3020, 0.2854$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 212, 255) }
```

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

```
.background{ background-color: rgb(237,  
212, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor