

Converting Colors

$Y_{xy}(78.5467, 0.2610, 0.2243)$

Have a look what the booklet for
Yxy(78.5467, 0.2610, 0.2243)
contains.

Yxy(72.9856, 0.3027, 0.2865)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(72.9856, 0.3027, 0.2865)

Conversions

Conversions Part 1

Format	Color
Hex	EED5FF
RGB	238, 213, 255
RGB Percent	93%, 84%, 100%
CMY	0.0666, 0.1647, 0.0000
CMYK	0.07, 0.16, 0.00, 0.00
HSL	276°, 100%, 92%
HSV	276°, 16%, 100%
XYZ	77.1125, 72.9856, 104.6509
YIQ	225.2630, 1.4180, 18.3620

Conversions

Conversions Part 2

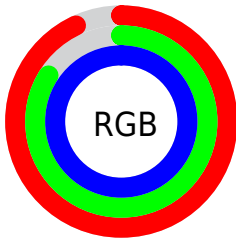
Format	Color
R _Y B	238, 213, 255
Decimal	15652351
CIE Lab	88.44, 16.16, -17.30
CIE LCh	88, 23.676, 313.042
Yxy	72.9856, 0.3027, 0.2865
Android (android.graphics.Color)	4293842431 (0xFFEED5FF)
YUV	225.2630, 14.6603, 11.1703
Hunter-Lab	85.4316, 11.6129, -12.8262

Details

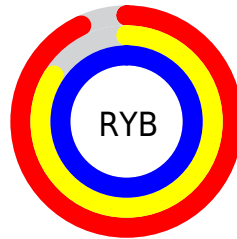
The Yxy color **72.9856, 0.3027, 0.2865** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **93.1421, 0.3213, 0.3722**, and the grayscale version is **75.3880, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.4760, 0.3004, 0.2771** is the 20% darker color. If you saturate the color by 10%, you get **59.4188, 0.2952, 0.2586**, and if you desaturate by 10%, it is **88.6743, 0.3091, 0.3129**.

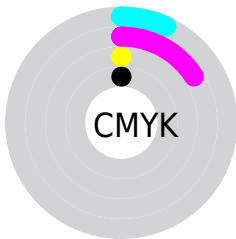
Distribution



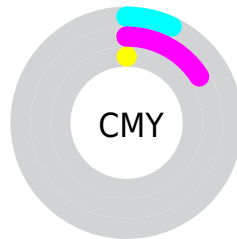
- Red (93%)
- Green (84%)
- Blue (100%)



- Red (93%)
- Yellow (84%)
- Blue (100%)



- Cyan (7%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)




- Cyan (7%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.9856, 0.3027, 0.2865 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 72.9856, 0.3027, 0.2865 by changing the saturation by 10% instead.

 72.9856, 0.3027,
0.2865

 72.9856, 0.3027,
0.2865

470.9649, 0.3075,
0.3055

 53.9642, 0.3016,
0.2823

123.4568, 0.3044,
0.2930

 38.5730, 0.3001,
0.2772


155.6753, 0.3051,
0.2955

 26.4277, 0.2983,
0.2708


193.0617, 0.3056,
0.2978

 17.1439, 0.2958,
0.2627

236.0003, 0.3061,
0.2997

 10.3371, 0.2924,
0.2519

284.8755, 0.3065,
0.3014

 5.6231, 0.2873,
0.2371

340.0718, 0.3069,

 2.6173, 0.2792,

0.3030

0.2155

401.9734, 0.3072,
0.3043

0.9354, 0.2645,
0.1813

0.0000, 0.1838,
0.0000

72.9856, 0.3027,
0.2865

72.9856, 0.3027,
0.2865

59.4188, 0.2952,
0.2586

88.6743, 0.3091,
0.3129

47.8737, 0.2867,
0.2299

100.0000, 0.3127,
0.3290

38.2487, 0.2771,
0.2012

30.4311, 0.2667,
0.1737

■ 24.2963, 0.2557,
0.1490

■ 19.7033, 0.2446,
0.1282

■ 16.4869, 0.2339,
0.1123

■ 14.4411, 0.2239,
0.1017

■ 13.8898, 0.2205,
0.0988

Harmonies

Analogous

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



72.9856, 0.2776, 0.2819



72.9856, 0.3027, 0.2865



72.9856, 0.3317, 0.3012

Triad

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



72.9856, 0.3027, 0.2865



72.9856, 0.3654, 0.3673



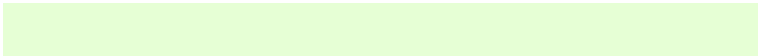
72.9856, 0.2705, 0.3333

Complementary

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



72.9856, 0.3027, 0.2865



93.1421, 0.3213, 0.3722

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.



72.9856, 0.2926, 0.3594



72.9856, 0.3027, 0.2865



72.9856, 0.3475, 0.3790

Square

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



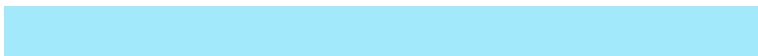
72.9856, 0.3027, 0.2865



72.9856, 0.3689, 0.3466



72.9856, 0.3207, 0.3765



72.9856, 0.2597, 0.3073

Rectangle

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



72.9856, 0.3027, 0.2865



72.9856, 0.3491, 0.3150



72.9856, 0.3207, 0.3765



72.9856, 0.2768, 0.3424

Sweetspot

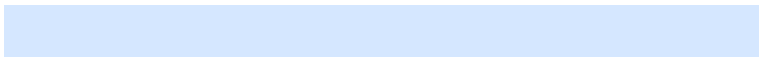
The Sweet Spot groups the original color and five complimentary colors.



72.9871, 0.3027, 0.2865



91.1689, 0.3100, 0.3167



78.2360, 0.2866, 0.3033



19.2578, 0.3096, 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.



72.9871, 0.3027, 0.2865



67.9640, 0.3002, 0.2768



75.8425, 0.3170, 0.2913



17.9129, 0.3073, 0.3051



7.3471, 0.2220, 0.0997



0.7791, 0.2330, 0.1057

Inverse Universe

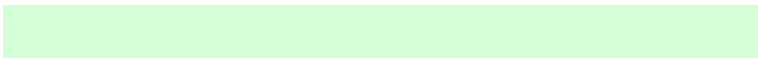
The Inverse Universe completely reimagines the original color for something new.



74.5574, 0.3320, 0.3121



69.8608, 0.3370, 0.3082



90.6489, 0.3087, 0.3698



18.1088, 0.3230, 0.3194



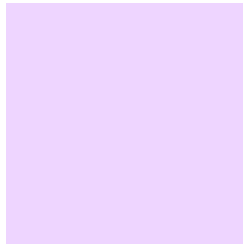
11.6488, 0.5367, 0.2730



1.1552, 0.5067, 0.2565

Previews

White Background



This preview shows how the Yxy color 72.9856, 0.3027, 0.2865 looks on a white background.

Color Contrast Check

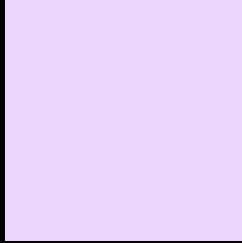
Large Text (above 18pt) WCAG AA × Fail

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 72.9856, 0.3027, 0.2865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

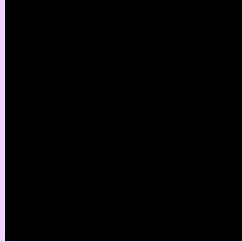
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

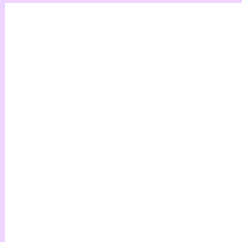
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.9856, 0.3027, 0.2865

Background



This preview shows how black text looks on a background with the Yxy color 72.9856, 0.3027, 0.2865.



This preview shows how white text looks on a background with the Yxy color 72.9856, 0.3027, 0.2865.

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

72.9856, 0.3027, 0.2865

Protanopia

73.0053, 0.2880, 0.2922

Deuteranopia

72.7615, 0.2965, 0.2898



Tritanopia

73.2284, 0.3143, 0.3113

Trichromacy



Original Color

72.9856, 0.3027, 0.2865

Protanomaly

72.6930, 0.2932, 0.2895

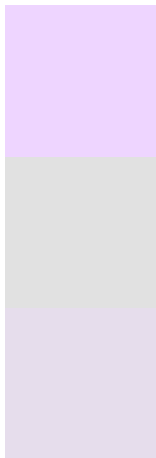
Deuteranomaly

72.9124, 0.2992, 0.2891

Tritanomaly

73.3554, 0.3097, 0.3022

Monochromacy



Original Color

72.9856, 0.3027, 0.2865

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

74.5920, 0.3092, 0.3133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.9856, 0.3027, 0.2865 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(238, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(238, 213, 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(238, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 213, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.9856, 0.3027, 0.2865 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(238, 213, 255) }
```

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

```
.border{ border-color:rgb(238, 213, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 213, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 213, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 213, 255);  
box-shadow:4px 4px 4px 4px rgb(238, 213,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.9856, 0.3027, 0.2865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 213, 255) }
```

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

```
.background{ background-color: rgb(238,  
213, 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