

Converting Colors

$Y_{xy}(77.1101, 0.2855, 0.2756)$

Have a look what the booklet for
Yxy(77.1101, 0.2855, 0.2756)
contains.

Yxy(75.7559, 0.2973, 0.2942)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(75.7559, 0.2973, 0.2942)

Conversions

Conversions Part 1

Format	Color
Hex	E6DDFF
RGB	230, 221, 255
RGB Percent	90%, 87%, 100%
CMY	0.0978, 0.1334, 0.0000
CMYK	0.10, 0.13, 0.00, 0.00
HSL	256°, 100%, 93%
HSV	256°, 13%, 100%
XYZ	76.5541, 75.7559, 105.1879
YIQ	227.5670, -5.5500, 12.4820

Conversions

Conversions Part 2

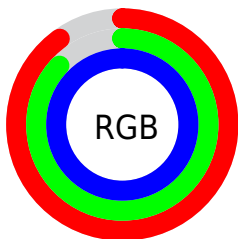
Format	Color
R _Y B	230, 221, 255
Decimal	15130111
CIE Lab	89.75, 9.41, -15.39
CIE LCh	90, 18.038, 301.432
Yxy	75.7559, 0.2973, 0.2942
Android (android.graphics.Color)	4293320191 (0xFFE6DDFF)
YUV	227.5670, 13.5245, 2.1337
Hunter-Lab	87.0379, 4.6834, -10.7273

Details

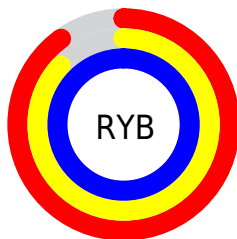
The Yxy color $75.7559, 0.2973, 0.2942$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $96.3117, 0.3269, 0.3627$, and the grayscale version is $77.1606, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $40.3483, 0.2935, 0.2868$ is the 20% darker color. If you saturate the color by 10%, you get $60.3730, 0.2837, 0.2649$, and if you desaturate by 10%, it is $93.5216, 0.3091, 0.3208$.

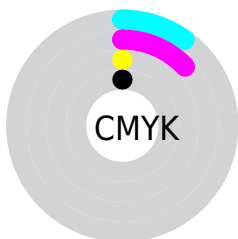
Distribution



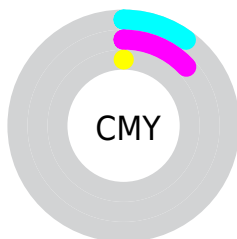
- Red (90%)
- Green (87%)
- Blue (100%)



- Red (90%)
- Yellow (87%)
- Blue (100%)



- Cyan (10%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.7559, 0.2973, 0.2942 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 75.7559, 0.2973, 0.2942 by changing the saturation by 10% instead.

75.7559, 0.2973,
0.2942

75.7559, 0.2973,
0.2942

480.5117, 0.3045,
0.3099

56.2324, 0.2957,
0.2907

127.3818, 0.2998,
0.2995

40.3893, 0.2936,
0.2865

160.2530, 0.3008,
0.3016

27.8422, 0.2911,
0.2812

198.3421, 0.3016,
0.3035

18.2067, 0.2877,
0.2745

242.0337, 0.3023,
0.3051

11.0985, 0.2831,
0.2655

291.7120, 0.3030,
0.3065

6.1331, 0.2766,
0.2530

347.7615, 0.3035,

2.9262, 0.2665,

0.3077

0.2347

410.5666, 0.3040,
0.3088

■ 1.0933, 0.2490,
0.2052

■ 0.0000, 0.1622,
0.0000

■ 75.7559, 0.2973,
0.2942

■ 75.7559, 0.2973,
0.2942

■ 60.3730, 0.2837,
0.2649

■ 93.5216, 0.3091,
0.3208

■ 47.2609, 0.2684,
0.2334

99.9995, 0.3127,
0.3290

■ 36.3129, 0.2516,
0.2005

■ 27.4099, 0.2338,
0.1676

■ 20.4209, 0.2158,
0.1366

■ 15.1994, 0.1986,
0.1095

■ 11.5769, 0.1834,
0.0882

■ 9.3499, 0.1712,
0.0741

■ 8.4521, 0.1648,
0.0681

Harmonies

Analogous

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



75.7559, 0.2805, 0.2943



75.7559, 0.2973, 0.2942



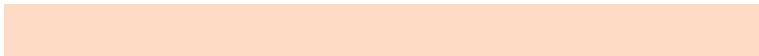
75.7559, 0.3187, 0.3027

Triad

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



75.7559, 0.2973, 0.2942



75.7559, 0.3547, 0.3528



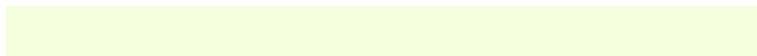
75.7559, 0.2865, 0.3403

Complementary

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



75.7559, 0.2973, 0.2942



96.3117, 0.3269, 0.3627

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.



75.7559, 0.3057, 0.3576



75.7559, 0.2973, 0.2942



75.7559, 0.3453, 0.3644

Square

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



75.7559, 0.2973, 0.2942



75.7559, 0.3525, 0.3357



75.7559, 0.3272, 0.3665



75.7559, 0.2745, 0.3201

Rectangle

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



75.7559, 0.2973, 0.2942



75.7559, 0.3328, 0.3121



75.7559, 0.3272, 0.3665



75.7559, 0.2923, 0.3467

Sweetspot

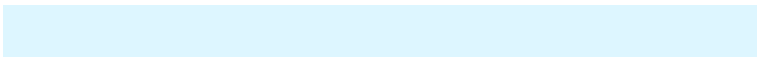
The Sweet Spot groups the original color and five complimentary colors.



75.7591, 0.2973, 0.2942



92.2734, 0.3084, 0.3191



88.4548, 0.2920, 0.3197



19.4488, 0.3076, 0.3172



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.



75.7591, 0.2973, 0.2942



71.4375, 0.2939, 0.2867



78.7095, 0.3088, 0.2954



17.6123, 0.3020, 0.3047



4.4784, 0.1661, 0.0689



0.4867, 0.1774, 0.0751

Inverse Universe

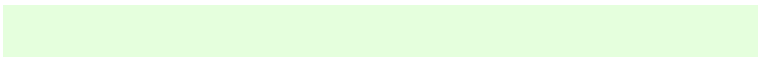
The Inverse Universe completely reimagines the original color for something new.



79.6123, 0.3202, 0.3046



75.9924, 0.3220, 0.2995



93.3800, 0.3160, 0.3639



18.2127, 0.3179, 0.3117



13.0074, 0.4027, 0.1992



1.2846, 0.3912, 0.1929

Previews

White Background



This preview shows how the Yxy color 75.7559, 0.2973, 0.2942 looks on a white background.

Color Contrast Check

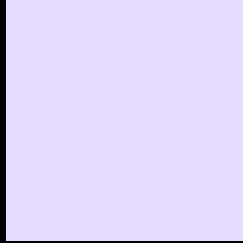
Large Text (above 18pt) WCAG AA × Fail

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 75.7559, 0.2973, 0.2942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

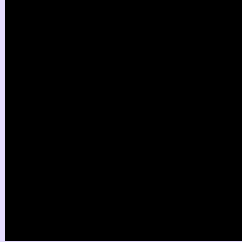
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.7559, 0.2973, 0.2942

Background



This preview shows how black text looks on a background with the Yxy color 75.7559, 0.2973, 0.2942.

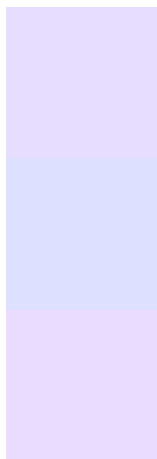


This preview shows how white text looks on a background with the Yxy color 75.7559, 0.2973, 0.2942.

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

75.7559, 0.2973, 0.2942

Protanopia

75.9035, 0.2914, 0.2968

Deuteranopia

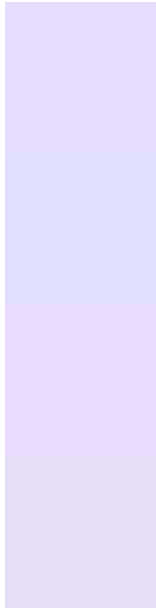
75.8988, 0.2999, 0.2935



Tritanopia

75.6202, 0.3046, 0.3102

Trichromacy



Original Color

75.7559, 0.2973, 0.2942

Protanomaly

75.8426, 0.2933, 0.2959

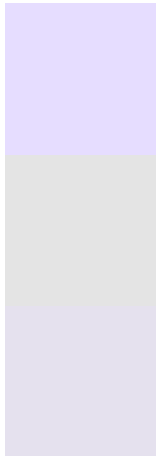
Deuteranomaly

75.7300, 0.2993, 0.2934

Tritanomaly

75.5544, 0.3022, 0.3041

Monochromacy



Original Color

75.7559, 0.2973, 0.2942

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

76.6815, 0.3072, 0.3154

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.7559, 0.2973, 0.2942 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(230, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 221, 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(230, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 221, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.7559, 0.2973, 0.2942 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(230, 221, 255) }
```

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

```
.border{ border-color:rgb(230, 221, 255) }
```

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

Here you see how a box with a 4 pixel rgb(230, 221, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 221, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 221, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 221,  
255) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 75.7559, 0.2973, 0.2942$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 221, 255) }
```

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

```
.background{ background-color: rgb(230,  
221, 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](#).

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