

Converting Colors

$Y_{xy}(71.8475, 0.2928, 0.2879)$

Have a look what the booklet for
Yxy(71.8475, 0.2928, 0.2879)
contains.

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Color

Yxy(72.1790, 0.2932, 0.2885)

Conversions

Conversions Part 1

Format	Color
Hex	E0D8FF
RGB	224, 216, 255
RGB Percent	88%, 85%, 100%
CMY	0.1214, 0.1530, 0.0001
CMYK	0.12, 0.15, 0.00, 0.00
HSL	252°, 100%, 92%
HSV	252°, 15%, 100%
XYZ	73.3549, 72.1790, 104.6533
YIQ	222.8380, -7.7510, 13.8250

Conversions

Conversions Part 2

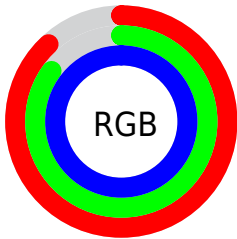
Format	Color
R_{YB}	224, 216, 255
Decimal	14735615
CIE _{Lab}	88.05, 10.12, -17.97
CIE _{LCh}	88, 20.626, 299.392
Yxy	72.1790, 0.2932, 0.2885
Android (android.graphics.Color)	4292925695 (0xFFE0D8FF)
YUV	222.8380, 15.8559, 1.0191
Hunter-Lab	84.9582, 5.4441, -13.5639

Details

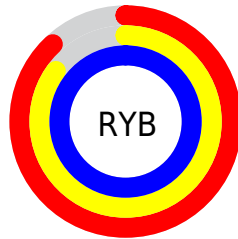
The Yxy color $72.1790, 0.2932, 0.2885$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $96.2221, 0.3305, 0.3677$, and the grayscale version is $73.5662, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $38.0020, 0.2890, 0.2794$ is the 20% darker color. If you saturate the color by 10%, you get $57.0730, 0.2781, 0.2584$, and if you desaturate by 10%, it is $89.7026, 0.3064, 0.3158$.

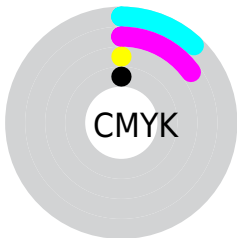
Distribution



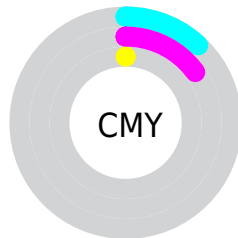
- Red (88%)
- Green (85%)
- Blue (100%)



- Red (88%)
- Yellow (85%)
- Blue (100%)



- Cyan (12%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.1790, 0.2932, 0.2885 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 72.1790, 0.2932, 0.2885 by changing the saturation by 10% instead.

72.1790, 0.2932,
0.2885

72.1790, 0.2932,
0.2885

468.1644, 0.3023,
0.3068

53.3049, 0.2911,
0.2844

122.3110, 0.2964,
0.2948

38.0462, 0.2885,
0.2794

154.3377, 0.2976,
0.2972

26.0186, 0.2852,
0.2732

191.5174, 0.2987,
0.2994

16.8375, 0.2808,
0.2652

234.2344, 0.2996,
0.3012

10.1187, 0.2749,
0.2546

282.8733, 0.3004,
0.3029

5.4777, 0.2664,
0.2398

337.8183, 0.3011,

2.5302, 0.2531,

0.3043

0.2180

399.4539, 0.3018,
0.3056

0.8917, 0.2301,
0.1830

0.0000, 0.0398,
0.0000

72.1790, 0.2932,
0.2885

72.1790, 0.2932,
0.2885

57.0730, 0.2781,
0.2584

89.7026, 0.3064,
0.3158

44.2688, 0.2612,
0.2260

99.9985, 0.3127,
0.3290

33.6548, 0.2430,
0.1923

25.1065, 0.2240,
0.1588

■ 18.4863, 0.2053,
0.1277

■ 13.6399, 0.1882,
0.1011

■ 10.3886, 0.1737,
0.0811

■ 8.5139, 0.1629,
0.0687

■ 7.9678, 0.1591,
0.0650

Harmonies

Analogous

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



72.1790, 0.2744, 0.2892



72.1790, 0.2932, 0.2885



72.1790, 0.3179, 0.2977

Triad

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



72.1790, 0.2932, 0.2885



72.1790, 0.3619, 0.3552



72.1790, 0.2836, 0.3436

Complementary

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



72.1790, 0.2932, 0.2885



96.2221, 0.3305, 0.3677

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.



72.1790, 0.3061, 0.3636



72.1790, 0.2932, 0.2885



72.1790, 0.3517, 0.3695

Square

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



72.1790, 0.2932, 0.2885



72.1790, 0.3584, 0.3351



72.1790, 0.3311, 0.3730



72.1790, 0.2691, 0.3201

Rectangle

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



72.1790, 0.2932, 0.2885



72.1790, 0.3345, 0.3082



72.1790, 0.3311, 0.3730



72.1790, 0.2904, 0.3511

Sweetspot

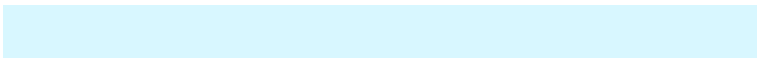
The Sweet Spot groups the original color and five complimentary colors.



72.1820, 0.2932, 0.2885



90.2652, 0.3068, 0.3165



88.4482, 0.2891, 0.3209



19.0385, 0.3059, 0.3147



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.



72.1820, 0.2932, 0.2885



67.8666, 0.2893, 0.2806



75.4312, 0.3063, 0.2901



17.5586, 0.3011, 0.3046



4.2146, 0.1602, 0.0656



0.4543, 0.1702, 0.0711

Inverse Universe

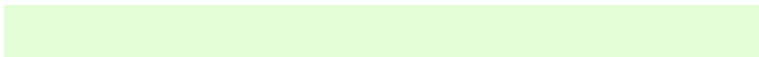
The Inverse Universe completely reimagines the original color for something new.



77.0737, 0.3199, 0.2986



73.5338, 0.3213, 0.2931



92.9060, 0.3181, 0.3692



18.2322, 0.3170, 0.3103



13.3662, 0.3815, 0.1875



1.3169, 0.3732, 0.1829

Previews

White Background



This preview shows how the Yxy color 72.1790, 0.2932, 0.2885 looks on a white background.

Color Contrast Check

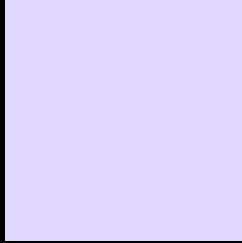
Large Text (above 18pt) WCAG AA × Fail

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 72.1790, 0.2932, 0.2885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

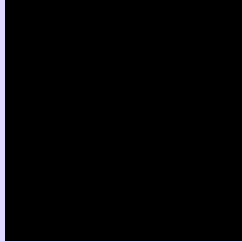
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.1790, 0.2932, 0.2885

Background



This preview shows how black text looks on a background with the Yxy color 72.1790, 0.2932, 0.2885.

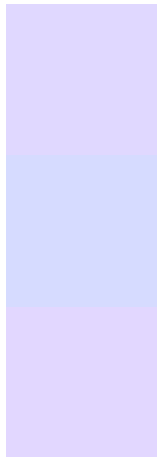


This preview shows how white text looks on a background with the Yxy color 72.1790, 0.2932, 0.2885.

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

72.1790, 0.2932, 0.2885

Protanopia

72.1792, 0.2866, 0.2909

Deuteranopia

71.9896, 0.2945, 0.2876



Tritanopia

72.0913, 0.3030, 0.3108

Trichromacy



Original Color

72.1790, 0.2932, 0.2885

Protanomaly

72.2682, 0.2892, 0.2902

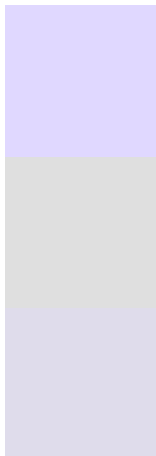
Deuteranomaly

71.8284, 0.2938, 0.2875

Tritanomaly

72.1435, 0.2993, 0.3025

Monochromacy



Original Color

72.1790, 0.2932, 0.2885

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

72.8725, 0.3051, 0.3130

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.1790, 0.2932, 0.2885 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(224, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 216, 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(224, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 216, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.1790, 0.2932, 0.2885 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(224, 216, 255) }
```

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

```
.border{ border-color:rgb(224, 216, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 216,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.1790, 0.2932, 0.2885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 216, 255) }
```

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

```
.background{ background-color: rgb(224,  
216, 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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