

Converting Colors

$Y_{xy}(72.6930, 0.2932, 0.2895)$

Have a look what the booklet for
Yxy(72.6930, 0.2932, 0.2895)
contains.

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Color

Yxy(72.6930, 0.2932, 0.2895)

Conversions

Conversions Part 1

Format	Color
Hex	E0D9FF
RGB	224, 217, 255
RGB Percent	88%, 85%, 100%
CMY	0.1213, 0.1491, 0.0000
CMYK	0.12, 0.15, 0.00, 0.00
HSL	251°, 100%, 93%
HSV	251°, 15%, 100%
XYZ	73.6221, 72.6930, 104.7834
YIQ	223.4250, -8.0260, 13.3020

Conversions

Conversions Part 2

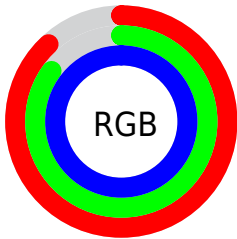
Format	Color
R_{YB}	224, 217, 255
Decimal	14735871
CIE Lab	88.30, 9.62, -17.63
CIE LCh	88, 20.081, 298.615
Yxy	72.6930, 0.2932, 0.2895
Android (android.graphics.Color)	4292925951 (0xFFE0D9FF)
YUV	223.4250, 15.5665, 0.5043
Hunter-Lab	85.2602, 4.9292, -13.1843

Details

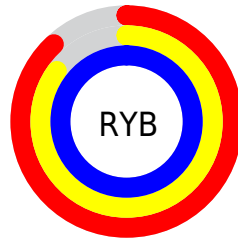
The Yxy color **72.6930, 0.2932, 0.2895** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **96.4695, 0.3305, 0.3667**, and the grayscale version is **74.0072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.3529, 0.2890, 0.2808** is the 20% darker color. If you saturate the color by 10%, you get **57.4333, 0.2778, 0.2594**, and if you desaturate by 10%, it is **90.3902, 0.3068, 0.3167**.

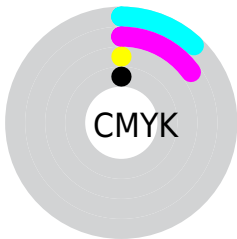
Distribution



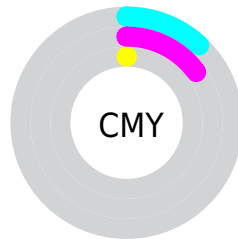
- Red (88%)
- Green (85%)
- Blue (100%)



- 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 72.6930, 0.2932, 0.2895 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 72.6930, 0.2932, 0.2895 by changing the saturation by 10% instead.

72.6930, 0.2932,
0.2895

72.6930, 0.2932,
0.2895

469.9501, 0.3023,
0.3074

53.7250, 0.2911,
0.2855

123.0413, 0.2964,
0.2956

38.3818, 0.2885,
0.2807

155.1903, 0.2976,
0.2980

26.2792, 0.2852,
0.2746

192.5018, 0.2987,
0.3001

17.0326, 0.2809,
0.2668

235.3602, 0.2996,
0.3019

10.2577, 0.2750,
0.2564

284.1498, 0.3004,
0.3035

5.5702, 0.2666,
0.2420

339.2551, 0.3011,

2.5855, 0.2535,

0.3049

0.2208

401.0604, 0.3017,
0.3062

0.9194, 0.2308,
0.1866

0.0000, 0.0516,
0.0000

72.6930, 0.2932,
0.2895

72.6930, 0.2932,
0.2895

57.4333, 0.2778,
0.2594

90.3902, 0.3068,
0.3167

44.5006, 0.2606,
0.2269

100.0000, 0.3127,
0.3290

33.7802, 0.2420,
0.1930

25.1468, 0.2227,
0.1592

■ 18.4619, 0.2038,
0.1277

■ 13.5703, 0.1865,
0.1008

■ 10.2925, 0.1720,
0.0806

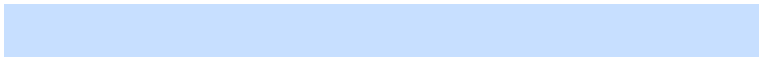
■ 8.4096, 0.1614,
0.0681

■ 7.8370, 0.1575,
0.0641

Harmonies

Analogous

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



72.6930, 0.2752, 0.2904



72.6930, 0.2932, 0.2895



72.6930, 0.3171, 0.2982

Triad

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



72.6930, 0.2932, 0.2895



72.6930, 0.3605, 0.3540



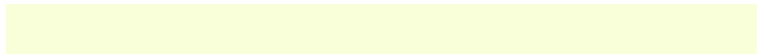
72.6930, 0.2849, 0.3438

Complementary

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



72.6930, 0.2932, 0.2895



96.4695, 0.3305, 0.3667

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.



72.6930, 0.3070, 0.3629



72.6930, 0.2932, 0.2895



72.6930, 0.3510, 0.3681

Square

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



72.6930, 0.2932, 0.2895



72.6930, 0.3568, 0.3344



72.6930, 0.3312, 0.3718



72.6930, 0.2705, 0.3209

Rectangle

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



72.6930, 0.2932, 0.2895



72.6930, 0.3333, 0.3083



72.6930, 0.3312, 0.3718



72.6930, 0.2916, 0.3510

Sweetspot

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



72.6941, 0.2932, 0.2895



92.1237, 0.3079, 0.3191



89.1220, 0.2897, 0.3218



19.4110, 0.3069, 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.



72.6941, 0.2932, 0.2895



67.7223, 0.2887, 0.2805



75.8837, 0.3061, 0.2910



17.5406, 0.3008, 0.3046



4.1413, 0.1586, 0.0647



0.4446, 0.1681, 0.0700

Inverse Universe

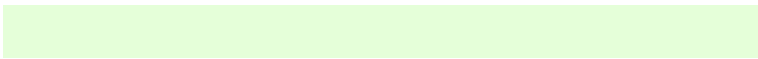
The Inverse Universe completely reimagines the original color for something new.



77.6480, 0.3192, 0.2987



73.5912, 0.3207, 0.2922



93.1902, 0.3184, 0.3681



18.2389, 0.3167, 0.3099



13.4957, 0.3747, 0.1838



1.3284, 0.3674, 0.1798

Previews

White Background



This preview shows how the Yxy color 72.6930, 0.2932, 0.2895 looks on a white background.

Color Contrast Check

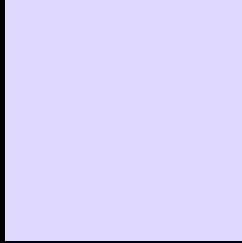
Large Text (above 18pt) WCAG AA × Fail

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 72.6930, 0.2932, 0.2895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

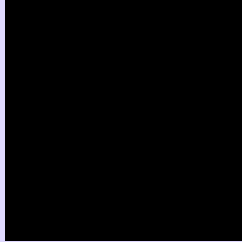
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.6930, 0.2932, 0.2895

Background



This preview shows how black text looks on a background with the Yxy color 72.6930, 0.2932, 0.2895.



This preview shows how white text looks on a background with the Yxy color 72.6930, 0.2932, 0.2895.

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

72.6930, 0.2932, 0.2895

Protanopia

72.8535, 0.2873, 0.2921

Deuteranopia

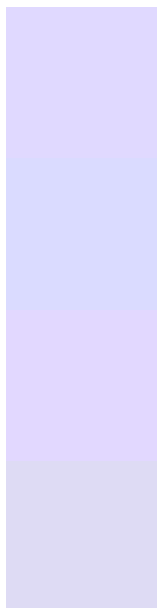
72.6626, 0.2952, 0.2887



Tritanopia

72.6730, 0.3024, 0.3108

Trichromacy



Original Color

72.6930, 0.2932, 0.2895

Protanomaly

72.7885, 0.2893, 0.2912

Deuteranomaly

72.5005, 0.2945, 0.2886

Tritanomaly

72.7243, 0.2987, 0.3026

Monochromacy



Original Color

72.6930, 0.2932, 0.2895

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

73.3990, 0.3050, 0.3141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.6930, 0.2932, 0.2895 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, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 217, 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, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 217, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.6930, 0.2932, 0.2895 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, 217, 255) }
```

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

```
.border{ border-color:rgb(224, 217, 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, 217, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 217,  
255) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.6930, 0.2932, 0.2895$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 217, 255) }
```

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

```
.background{ background-color: rgb(224,  
217, 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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