

Converting Colors

$Yxy(76.5817, 0.2490, 0.2242)$

Have a look what the booklet for
Yxy(76.5817, 0.2490, 0.2242)
contains.

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Color

Yxy(70.7788, 0.2872, 0.2878)

Conversions

Conversions Part 1

Format	Color
Hex	D7D8FF
RGB	215, 216, 255
RGB Percent	84%, 85%, 100%
CMY	0.1568, 0.1529, 0.0001
CMYK	0.16, 0.15, 0.00, 0.00
HSL	239°, 100%, 92%
HSV	239°, 16%, 100%
XYZ	70.6312, 70.7788, 104.5205
YIQ	220.1470, -13.1150, 11.9170

Conversions

Conversions Part 2

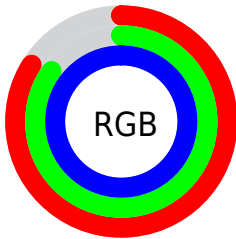
Format	Color
R _Y B	215, 216, 255
Decimal	14145791
CIE Lab	87.38, 7.29, -19.06
CIE LCh	87, 20.404, 290.946
Yxy	70.7788, 0.2872, 0.2878
Android (android.graphics.Color)	4292335871 (0xFFD7D8FF)
YUV	220.1470, 17.1825, -4.5139
Hunter-Lab	84.1301, 2.6315, -14.7688

Details

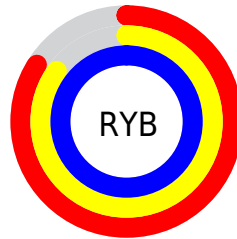
The Yxy color **70.7788, 0.2872, 0.2878** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **97.0418, 0.3365, 0.3671**, and the grayscale version is **71.5661, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.0405, 0.2813, 0.2783** is the 20% darker color. If you saturate the color by 10%, you get **55.4221, 0.2683, 0.2572**, and if you desaturate by 10%, it is **88.6720, 0.3041, 0.3151**.

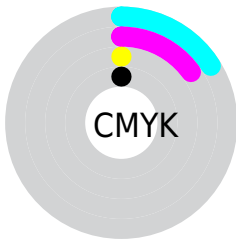
Distribution



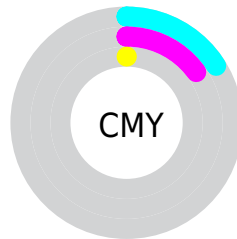
- Red (84%)
- Green (85%)
- Blue (100%)



- Red (84%)
- Yellow (85%)
- Blue (100%)



- Cyan (16%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.7788, 0.2872, 0.2878 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 70.7788, 0.2872, 0.2878 by changing the saturation by 10% instead.

70.7788, 0.2872,
0.2878

70.7788, 0.2872,
0.2878

463.2798, 0.2991,
0.3066

52.1617, 0.2845,
0.2836

120.3187, 0.2913,
0.2942

37.1340, 0.2811,
0.2785

152.0103, 0.2929,
0.2968

25.3112, 0.2768,
0.2720

188.8289, 0.2943,
0.2989

16.3091, 0.2713,
0.2637

231.1588, 0.2955,
0.3009

9.7431, 0.2637,
0.2526

279.3844, 0.2966,
0.3025

5.2290, 0.2528,
0.2371

333.8902, 0.2975,

2.3822, 0.2360,

0.3040

0.2141

395.0605, 0.2983,
0.3054

0.8167, 0.2075,
0.1767

0.0000, 0.0000,
0.0000

70.7788, 0.2872,
0.2878

70.7788, 0.2872,
0.2878

55.4221, 0.2683,
0.2572

88.6720, 0.3041,
0.3151

42.4789, 0.2478,
0.2238

99.9981, 0.3127,
0.3290

31.8291, 0.2264,
0.1886

23.3391, 0.2051,
0.1536

■ 16.8612, 0.1856,
0.1212

■ 12.2293, 0.1694,
0.0940

■ 9.2508, 0.1579,
0.0745

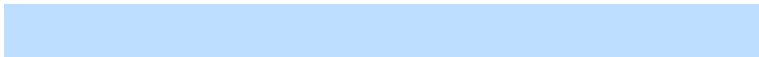
■ 7.6908, 0.1517,
0.0635

■ 7.3533, 0.1503,
0.0610

Harmonies

Analogous

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



70.7788, 0.2710, 0.2914



70.7788, 0.2872, 0.2878



70.7788, 0.3107, 0.2943

Triad

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



70.7788, 0.2872, 0.2878



70.7788, 0.3621, 0.3498



70.7788, 0.2894, 0.3499

Complementary

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



70.7788, 0.2872, 0.2878



97.0418, 0.3365, 0.3671

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.



70.7788, 0.3132, 0.3673



70.7788, 0.2872, 0.2878



70.7788, 0.3556, 0.3662

Square

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



70.7788, 0.2872, 0.2878



70.7788, 0.3547, 0.3291



70.7788, 0.3375, 0.3731



70.7788, 0.2723, 0.3266

Rectangle

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



70.7788, 0.2872, 0.2878



70.7788, 0.3276, 0.3035



70.7788, 0.3375, 0.3731



70.7788, 0.2969, 0.3567

Sweetspot

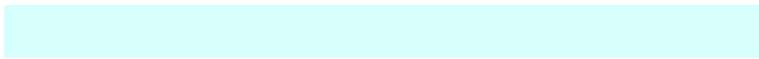
The Sweet Spot groups the original color and five complimentary colors.



70.7817, 0.2872, 0.2878



89.9806, 0.3051, 0.3168



93.0846, 0.2896, 0.3303



18.9696, 0.3040, 0.3150



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.



70.7817, 0.2872, 0.2878



65.4028, 0.2811, 0.2780



73.2681, 0.2997, 0.2883



17.4488, 0.2978, 0.3050



3.8741, 0.1504, 0.0615



0.4011, 0.1514, 0.0649

Inverse Universe

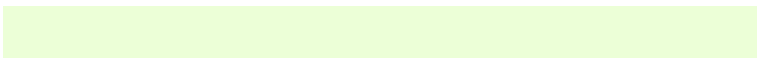
The Inverse Universe completely reimagines the original color for something new.



74.8263, 0.3417, 0.3281



70.2089, 0.3493, 0.3279



94.2979, 0.3242, 0.3696



17.9943, 0.3291, 0.3285



11.1191, 0.6376, 0.3286



1.0850, 0.6317, 0.3254

Previews

White Background



This preview shows how the Yxy color 70.7788, 0.2872, 0.2878 looks on a white background.

Color Contrast Check

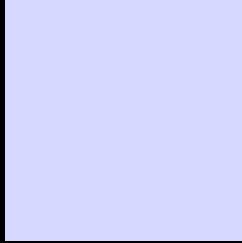
Large Text (above 18pt) WCAG AA × Fail

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 70.7788, 0.2872, 0.2878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

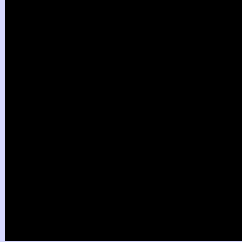
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.7788, 0.2872, 0.2878

Background



This preview shows how black text looks on a background with the Yxy color 70.7788, 0.2872, 0.2878.



This preview shows how white text looks on a background with the Yxy color 70.7788, 0.2872, 0.2878.

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

70.7788, 0.2872, 0.2878

Protanopia

70.8428, 0.2853, 0.2886

Deuteranopia

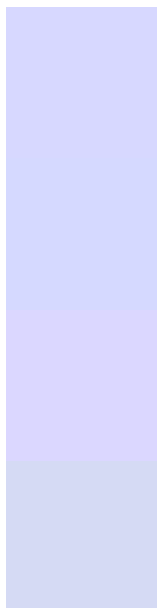
70.8427, 0.2918, 0.2862



Tritanopia

70.7745, 0.2963, 0.3094

Trichromacy



Original Color

70.7788, 0.2872, 0.2878

Protanomaly

70.9918, 0.2859, 0.2887

Deuteranomaly

70.8809, 0.2898, 0.2870

Tritanomaly

70.8206, 0.2926, 0.3010

Monochromacy



Original Color

70.7788, 0.2872, 0.2878

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

71.4517, 0.3029, 0.3139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7788, 0.2872, 0.2878 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(215, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 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(215, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 216, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.7788, 0.2872, 0.2878 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(215, 216, 255) }
```

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

```
.border{ border-color:rgb(215, 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(215, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(215, 216,  
255) }
```


Background

The CSS property to change the background color of an element to $Yxy\ 70.7788, 0.2872, 0.2878$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 216, 255) }
```

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

```
.background{ background-color: rgb(215,  
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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