

Converting Colors

$Yxy(76.7603, 0.2836, 0.2887)$

Have a look what the booklet for
Yxy(76.7603, 0.2836, 0.2887)
contains.

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Color

Yxy(75.8221, 0.2888, 0.2976)

Conversions

Conversions Part 1

Format	Color
Hex	D9E1FF
RGB	217, 225, 255
RGB Percent	85%, 88%, 100%
CMY	0.1492, 0.1176, 0.0000
CMYK	0.15, 0.12, 0.00, 0.00
HSL	227°, 100%, 93%
HSV	227°, 15%, 100%
XYZ	73.5800, 75.8221, 105.3764
YIQ	226.0280, -14.3980, 7.6340

Conversions

Conversions Part 2

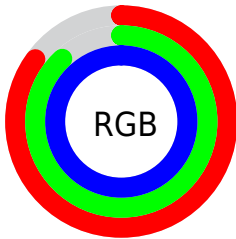
Format	Color
R _Y B	217, 224, 255
Decimal	14279167
CIE Lab	89.78, 3.17, -15.46
CIE LCh	90, 15.778, 281.589
Yxy	75.8221, 0.2888, 0.2976
Android (android.graphics.Color)	4292469247 (0xFFD9E1FF)
YUV	226.0280, 14.2832, -7.9176
Hunter-Lab	87.0759, -1.5484, -10.7977

Details

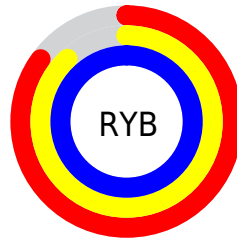
The Yxy color **75.8221, 0.2888, 0.2976** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **92.7447, 0.3363, 0.3585**, and the grayscale version is **75.9729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.5081, 0.2837, 0.2911** is the 20% darker color. If you saturate the color by 10%, you get **61.9826, 0.2710, 0.2733**, and if you desaturate by 10%, it is **91.5478, 0.3052, 0.3193**.

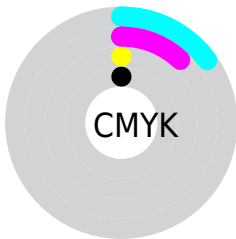
Distribution



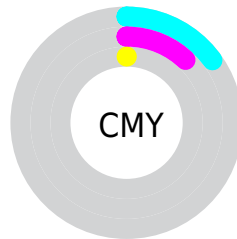
- Red (85%)
- Green (88%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.8221, 0.2888, 0.2976 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 75.8221, 0.2888, 0.2976 by changing the saturation by 10% instead.

■ 75.8221, 0.2888,
0.2976

■ 75.8221, 0.2888,
0.2976

480.7385, 0.2998,
0.3119

■ 56.2866, 0.2863,
0.2944

127.4754, 0.2926,
0.3025

■ 40.4328, 0.2833,
0.2905

160.3620, 0.2941,
0.3044

■ 27.8761, 0.2795,
0.2856

198.4679, 0.2953,
0.3061

■ 18.2323, 0.2745,
0.2793

242.1773, 0.2964,
0.3075

■ 11.1169, 0.2678,
0.2709

291.8746, 0.2974,
0.3088

■ 6.1455, 0.2584,
0.2591

347.9444, 0.2983,

■ 2.9338, 0.2440,

0.3099

0.2416

410.7708, 0.2991,
0.3109

■ 1.0973, 0.2200,
0.2128

■ 0.0000, 0.0485,
0.0000

■ 75.8221, 0.2888,
0.2976

■ 75.8221, 0.2888,
0.2976

■ 61.9826, 0.2710,
0.2733

■ 91.5478, 0.3052,
0.3193

■ 49.9510, 0.2521,
0.2466

100.0000, 0.3127,
0.3290

■ 39.6531, 0.2327,
0.2178

■ 31.0068, 0.2133,
0.1880

■ 23.9231, 0.1952,
0.1583

■ 18.3044, 0.1794,
0.1305

■ 14.0408, 0.1668,
0.1062

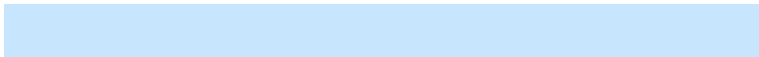
■ 11.0049, 0.1583,
0.0868

■ 9.8668, 0.1553,
0.0791

Harmonies

Analogous

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



75.8221, 0.2787, 0.3031



75.8221, 0.2888, 0.2976



75.8221, 0.3054, 0.3002

Triad

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



75.8221, 0.2888, 0.2976



75.8221, 0.3493, 0.3404



75.8221, 0.3005, 0.3494

Complementary

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



75.8221, 0.2888, 0.2976



92.7447, 0.3363, 0.3585

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.



75.8221, 0.3192, 0.3601



75.8221, 0.2888, 0.2976



75.8221, 0.3477, 0.3541

Square

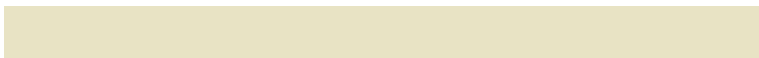
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.8221, 0.2888, 0.2976



75.8221, 0.3407, 0.3243



75.8221, 0.3366, 0.3616



75.8221, 0.2853, 0.3329

Rectangle

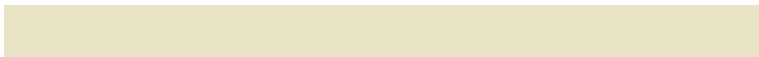
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.8221, 0.2888, 0.2976



75.8221, 0.3181, 0.3059



75.8221, 0.3366, 0.3616



75.8221, 0.3065, 0.3538

Sweetspot

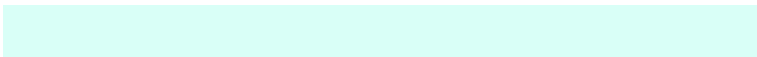
The Sweet Spot groups the original color and five complimentary colors.



75.8243, 0.2888, 0.2976



93.0958, 0.3066, 0.3212



92.9639, 0.2944, 0.3374



19.6559, 0.3055, 0.3196



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.



75.8243, 0.2888, 0.2976



71.3675, 0.2835, 0.2904



73.2681, 0.2957, 0.2898



18.0020, 0.2979, 0.3097



5.3287, 0.1560, 0.0814



0.6687, 0.1614, 0.1010

Inverse Universe

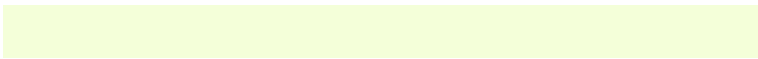
The Inverse Universe completely reimagines the original color for something new.



76.2957, 0.3350, 0.3210



72.0159, 0.3406, 0.3192



95.7992, 0.3281, 0.3670



18.0501, 0.3261, 0.3240



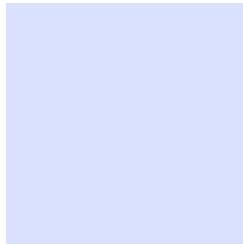
11.2659, 0.6047, 0.3105



1.1121, 0.5744, 0.2938

Previews

White Background



This preview shows how the Yxy color 75.8221, 0.2888, 0.2976 looks on a white background.

Color Contrast Check

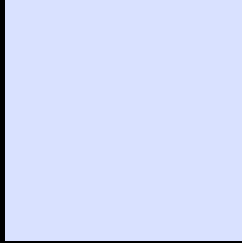
Large Text (above 18pt) WCAG AA × Fail

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 75.8221, 0.2888, 0.2976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

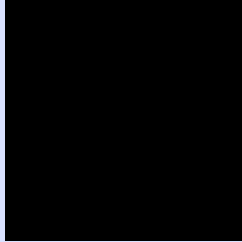
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.8221, 0.2888, 0.2976

Background



This preview shows how black text looks on a background with the Yxy color 75.8221, 0.2888, 0.2976.

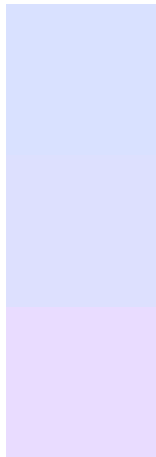


This preview shows how white text looks on a background with the Yxy color 75.8221, 0.2888, 0.2976.

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

75.8221, 0.2888, 0.2976

Protanopia

75.8392, 0.2920, 0.2978

Deuteranopia

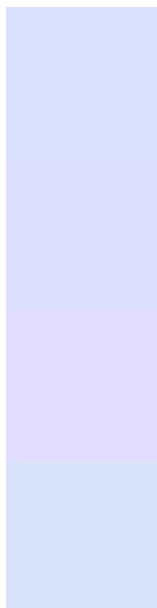
75.7300, 0.2993, 0.2934



Tritanopia

75.9778, 0.2935, 0.3098

Trichromacy



Original Color

75.8221, 0.2888, 0.2976

Protanomaly

75.6827, 0.2913, 0.2977

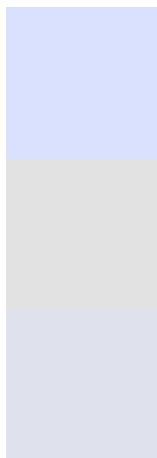
Deuteranomaly

75.7934, 0.2953, 0.2951

Tritanomaly

75.8312, 0.2918, 0.3047

Monochromacy



Original Color

75.8221, 0.2888, 0.2976

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.1951, 0.3037, 0.3174

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8221, 0.2888, 0.2976 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(217, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 225, 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(217, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 225, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.8221, 0.2888, 0.2976 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(217, 225, 255) }
```

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

```
.border{ border-color:rgb(217, 225, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 225,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.8221, 0.2888, 0.2976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 225, 255) }
```

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

```
.background{ background-color: rgb(217,  
225, 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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