

Converting Colors

$Yxy(80.3506, 0.2534, 0.2455)$

Have a look what the booklet for
Yxy(80.3506, 0.2534, 0.2455)
contains.

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Color

Yxy(75.7135, 0.2839, 0.2993)

Conversions

Conversions Part 1

Format	Color
Hex	D1E3FF
RGB	209, 227, 255
RGB Percent	82%, 89%, 100%
CMY	0.1803, 0.1098, 0.0000
CMYK	0.18, 0.11, 0.00, 0.00
HSL	217°, 100%, 91%
HSV	217°, 18%, 100%
XYZ	71.8178, 75.7135, 105.4373
YIQ	224.8100, -19.7160, 4.8920

Conversions

Conversions Part 2

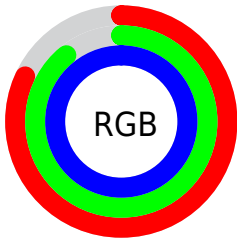
Format	Color
R _Y B	209, 222, 255
Decimal	13755391
CIE Lab	89.73, -0.31, -15.58
CIE LCh	90, 15.584, 268.869
Yxy	75.7135, 0.2839, 0.2993
Android (android.graphics.Color)	4291945471 (0xFFD1E3FF)
YUV	224.8100, 14.8837, -13.8654
Hunter-Lab	87.0135, -4.9462, -10.9343

Details

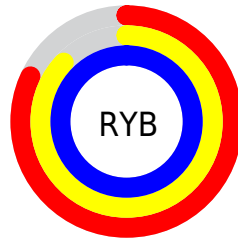
The Yxy color **75.7135, 0.2839, 0.2993** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86.4460, 0.3430, 0.3570**, and the grayscale version is **75.0573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.4523, 0.2775, 0.2933** is the 20% darker color. If you saturate the color by 10%, you get **64.1739, 0.2668, 0.2802**, and if you desaturate by 10%, it is **88.6206, 0.3003, 0.3165**.

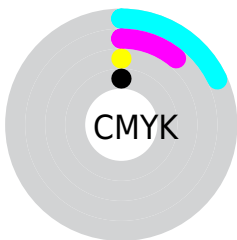
Distribution



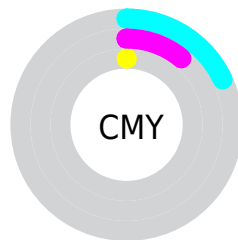
- Red (82%)
- Green (89%)
- Blue (100%)



- Red (82%)
- Yellow (87%)
- Blue (100%)



- Cyan (18%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.7135, 0.2839, 0.2993 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 75.7135, 0.2839, 0.2993 by changing the saturation by 10% instead.

■ 75.7135, 0.2839,
0.2993

■ 75.7135, 0.2839,
0.2993

480.3664, 0.2971,
0.3129

■ 56.1976, 0.2809,
0.2962

127.3218, 0.2884,
0.3040

■ 40.3614, 0.2773,
0.2925

160.1831, 0.2902,
0.3058

■ 27.8204, 0.2728,
0.2878

198.2616, 0.2917,
0.3074

■ 18.1903, 0.2669,
0.2817

241.9417, 0.2931,
0.3088

■ 11.0867, 0.2590,
0.2735

291.6078, 0.2942,
0.3100

■ 6.1252, 0.2479,
0.2620

347.6444, 0.2953,

■ 2.9214, 0.2312,

0.3111

0.2447

410.4358, 0.2962,
0.3120

■ 1.0908, 0.2036,
0.2160

■ 0.0000, 0.0000,
0.0000

■ 75.7135, 0.2839,
0.2993

■ 75.7135, 0.2839,
0.2993

■ 64.1739, 0.2668,
0.2802

■ 88.6206, 0.3003,
0.3165

■ 53.9444, 0.2493,
0.2592

100.0000, 0.3127,
0.3290

■ 44.9765, 0.2319,
0.2367

■ 37.2148, 0.2151,
0.2132

■ 30.5990, 0.1997,
0.1892

■ 25.0627, 0.1864,
0.1658

■ 20.5300, 0.1758,
0.1437

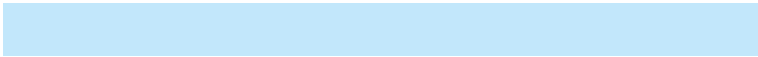
■ 16.9060, 0.1680,
0.1238

■ 16.2779, 0.1667,
0.1202

Harmonies

Analogous

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



75.7135, 0.2775, 0.3080



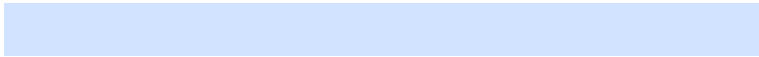
75.7135, 0.2839, 0.2993



75.7135, 0.2980, 0.2985

Triad

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



75.7135, 0.2839, 0.2993



75.7135, 0.3464, 0.3336



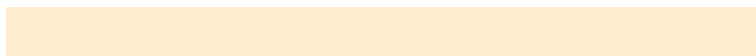
75.7135, 0.3083, 0.3546

Complementary

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



75.7135, 0.2839, 0.2993



86.4460, 0.3430, 0.3570

Split Complementary

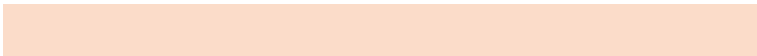
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.7135, 0.3269, 0.3615



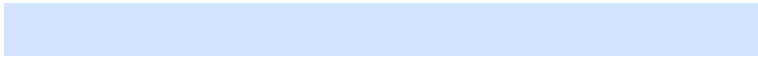
75.7135, 0.2839, 0.2993



75.7135, 0.3492, 0.3486

Square

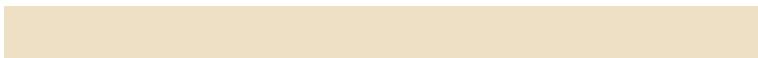
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.7135, 0.2839, 0.2993



75.7135, 0.3342, 0.3179



75.7135, 0.3419, 0.3590



75.7135, 0.2913, 0.3402

Rectangle

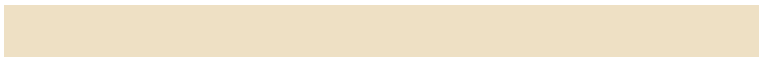
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.7135, 0.2839, 0.2993



75.7135, 0.3100, 0.3022



75.7135, 0.3419, 0.3590



75.7135, 0.3145, 0.3579

Sweetspot

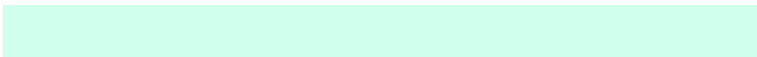
The Sweet Spot groups the original color and five complimentary colors.



75.7165, 0.2839, 0.2993



92.8070, 0.3050, 0.3214



91.1701, 0.2952, 0.3482



19.6543, 0.3039, 0.3203



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.



75.7165, 0.2839, 0.2993



70.9744, 0.2772, 0.2919



67.0708, 0.2859, 0.2801



18.5426, 0.2979, 0.3141



8.7748, 0.1676, 0.1232



1.0594, 0.1738, 0.1456

Inverse Universe

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



72.4178, 0.3346, 0.3110



67.2725, 0.3405, 0.3068



96.5229, 0.3369, 0.3745



18.1047, 0.3232, 0.3197



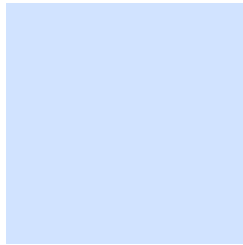
11.6138, 0.5421, 0.2760



1.1515, 0.5116, 0.2592

Previews

White Background



This preview shows how the Yxy color 75.7135, 0.2839, 0.2993 looks on a white background.

Color Contrast Check

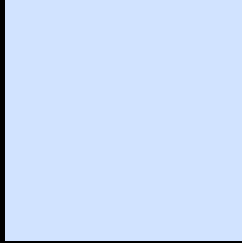
Large Text (above 18pt) WCAG AA × Fail

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 75.7135, 0.2839, 0.2993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

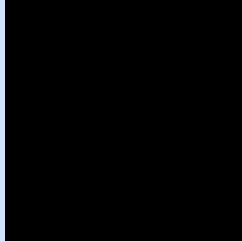
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

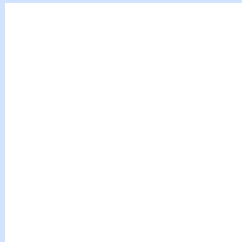
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.7135, 0.2839, 0.2993

Background



This preview shows how black text looks on a background with the Yxy color 75.7135, 0.2839, 0.2993.



This preview shows how white text looks on a background with the Yxy color 75.7135, 0.2839, 0.2993.

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

75.7135, 0.2839, 0.2993

Protanopia

75.7753, 0.2926, 0.2988

Deuteranopia

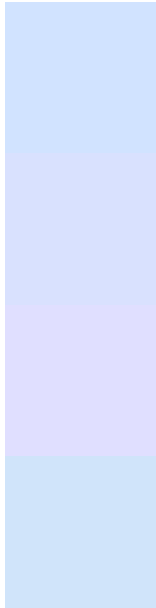
75.5622, 0.2986, 0.2933



Tritanopia

75.4676, 0.2873, 0.3085

Trichromacy



Original Color

75.7135, 0.2839, 0.2993

Protanomaly

75.7579, 0.2894, 0.2986

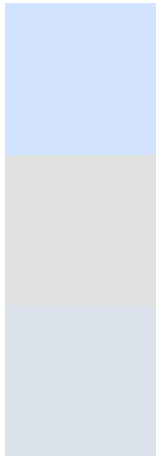
Deuteranomaly

75.8426, 0.2933, 0.2959

Tritanomaly

75.7988, 0.2862, 0.3055

Monochromacy



Original Color

75.7135, 0.2839, 0.2993

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

75.5089, 0.3016, 0.3183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.7135, 0.2839, 0.2993 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(209, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 227, 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(209, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 227, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.7135, 0.2839, 0.2993 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(209, 227, 255) }
```

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

```
.border{ border-color:rgb(209, 227, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 227,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.7135, 0.2839, 0.2993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 227, 255) }
```

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

```
.background{ background-color: rgb(209,  
227, 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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