

Converting Colors

$Yxy(81.5387, 0.2582, 0.2576)$

Have a look what the booklet for
Yxy(81.5387, 0.2582, 0.2576)
contains.

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Color

Yxy(77.7817, 0.2835, 0.3036)

Conversions

Conversions Part 1

Format	Color
Hex	D0E7FF
RGB	208, 231, 255
RGB Percent	82%, 91%, 100%
CMY	0.1844, 0.0941, 0.0000
CMYK	0.18, 0.09, 0.00, 0.00
HSL	211°, 100%, 91%
HSV	211°, 18%, 100%
XYZ	72.6321, 77.7817, 105.7841
YIQ	226.8590, -21.4120, 2.5880

Conversions

Conversions Part 2

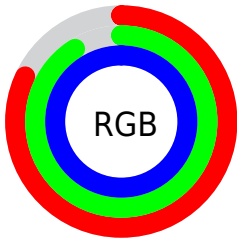
Format	Color
R _Y B	208, 223, 255
Decimal	13690879
CIE _{Lab}	90.68, -2.71, -14.15
CIE _{LCh}	91, 14.409, 259.180
Y _{xy}	77.7817, 0.2835, 0.3036
Android (android.graphics.Color)	4291880959 (0xFFD0E7FF)
YUV	226.8590, 13.8735, -16.5393
Hunter-Lab	88.1939, -7.3357, -9.3796

Details

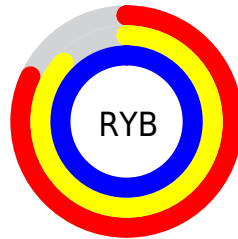
The Yxy color **77.7817, 0.2835, 0.3036** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **83.5011, 0.3445, 0.3531**, and the grayscale version is **76.6163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.5095, 0.2770, 0.2974** is the 20% darker color. If you saturate the color by 10%, you get **67.3689, 0.2670, 0.2877**, and if you desaturate by 10%, it is **89.3360, 0.2996, 0.3180**.

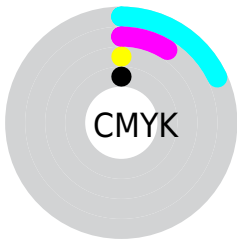
Distribution



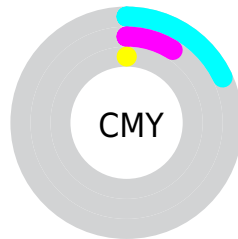
- Red (82%)
- Green (91%)
- Blue (100%)



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



- Cyan (18%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.7817, 0.2835, 0.3036 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 77.7817, 0.2835, 0.3036 by changing the saturation by 10% instead.

■ 77.7817, 0.2835,
0.3036

■ 77.7817, 0.2835,
0.3036

487.4251, 0.2968,
0.3152

■ 57.8947, 0.2805,
0.3010

130.2423, 0.2880,
0.3076

■ 41.7240, 0.2769,
0.2978

163.5847, 0.2898,
0.3092

■ 28.8852, 0.2724,
0.2937

202.1811, 0.2914,
0.3105

■ 18.9940, 0.2665,
0.2885

246.4157, 0.2927,
0.3117

■ 11.6659, 0.2587,
0.2815

296.6730, 0.2939,
0.3127

■ 6.5166, 0.2478,
0.2715

353.3374, 0.2950,

■ 3.1617, 0.2315,

0.3137

0.2565

416.7933, 0.2959,
0.3145

■ 1.2167, 0.2049,
0.2315

■ 0.0753, 0.0048,
0.0651

■ 77.7817, 0.2835,
0.3036

■ 77.7817, 0.2835,
0.3036

■ 67.3689, 0.2670,
0.2877

■ 89.3360, 0.2996,
0.3180

■ 58.0481, 0.2504,
0.2702

99.9994, 0.3127,
0.3290

■ 49.7797, 0.2341,
0.2516

■ 42.5176, 0.2188,
0.2319

■ 36.2116, 0.2049,
0.2118

■ 30.8055, 0.1929,
0.1917

■ 26.2348, 0.1834,
0.1722

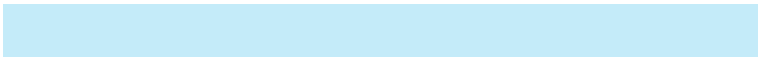
■ 22.4142, 0.1763,
0.1539

■ 21.8687, 0.1753,
0.1511

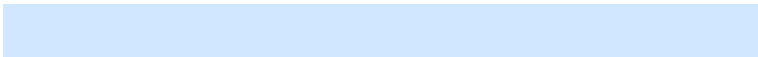
Harmonies

Analogous

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



77.7817, 0.2802, 0.3137



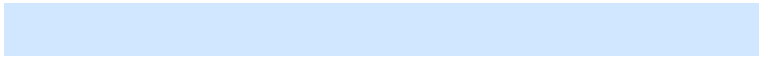
77.7817, 0.2835, 0.3036



77.7817, 0.2944, 0.3004

Triad

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



77.7817, 0.2835, 0.3036



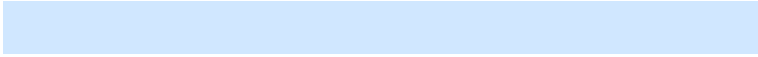
77.7817, 0.3408, 0.3285



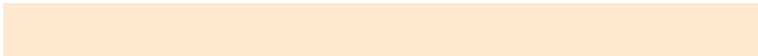
77.7817, 0.3143, 0.3553

Complementary

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



77.7817, 0.2835, 0.3036



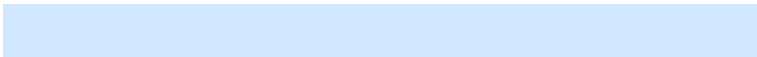
83.5011, 0.3445, 0.3531

Split Complementary

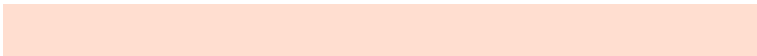
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.7817, 0.3307, 0.3589



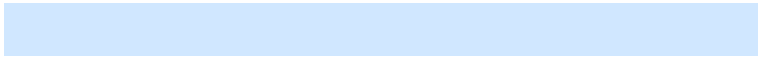
77.7817, 0.2835, 0.3036



77.7817, 0.3463, 0.3429

Square

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



77.7817, 0.2835, 0.3036



77.7817, 0.3275, 0.3146



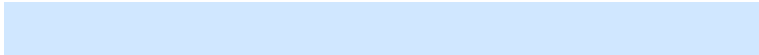
77.7817, 0.3426, 0.3541



77.7817, 0.2977, 0.3440

Rectangle

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



77.7817, 0.2835, 0.3036



77.7817, 0.3048, 0.3023



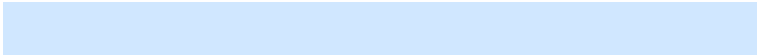
77.7817, 0.3426, 0.3541



77.7817, 0.3200, 0.3575

Sweetspot

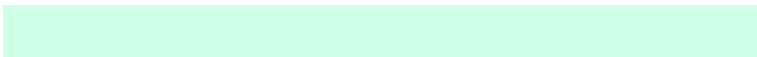
The Sweet Spot groups the original color and five complimentary colors.



77.7849, 0.2835, 0.3036



92.3343, 0.3035, 0.3213



90.7181, 0.2974, 0.3538



19.5902, 0.3024, 0.3204



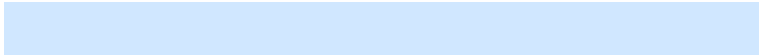
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.7849, 0.2835, 0.3036



73.9510, 0.2776, 0.2981



65.7280, 0.2821, 0.2784



18.8472, 0.2979, 0.3166



11.7248, 0.1761, 0.1540



1.3595, 0.1819, 0.1749

Inverse Universe

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



72.1302, 0.3318, 0.3060



67.5730, 0.3363, 0.3013



97.3256, 0.3406, 0.3751



18.1354, 0.3217, 0.3174



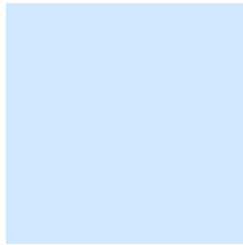
11.9116, 0.5007, 0.2532



1.1818, 0.4747, 0.2389

Previews

White Background



This preview shows how the Yxy color 77.7817, 0.2835, 0.3036 looks on a white background.

Color Contrast Check

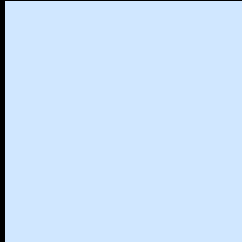
Large Text (above 18pt) WCAG AA × Fail

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 77.7817, 0.2835, 0.3036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

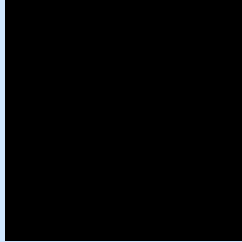
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

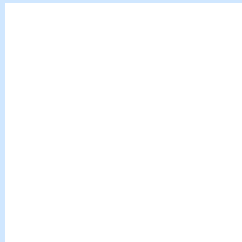
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.7817, 0.2835, 0.3036

Background



This preview shows how black text looks on a background with the Yxy color 77.7817, 0.2835, 0.3036.



This preview shows how white text looks on a background with the Yxy color 77.7817, 0.2835, 0.3036.

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

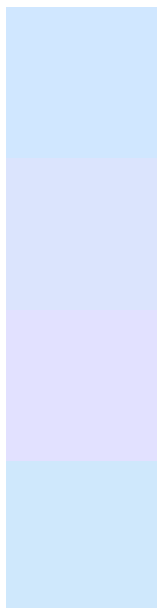




Tritanopia

77.8808, 0.2858, 0.3098

Trichromacy



Original Color

77.7817, 0.2835, 0.3036

Protanomaly

77.6387, 0.2914, 0.3029

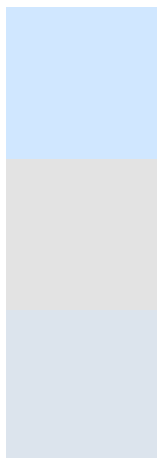
Deuteranomaly

77.2392, 0.2947, 0.2981

Tritanomaly

78.0069, 0.2846, 0.3077

Monochromacy



Original Color

77.7817, 0.2835, 0.3036

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

76.8169, 0.3017, 0.3194

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7817, 0.2835, 0.3036 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(208, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(208, 231, 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(208, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 231, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.7817, 0.2835, 0.3036 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(208, 231, 255) }
```

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

```
.border{ border-color:rgb(208, 231, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(208, 231,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 77.7817, 0.2835, 0.3036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 231, 255) }
```

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

```
.background{ background-color: rgb(208,  
231, 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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