

Converting Colors

$Yxy(77.5855, 0.2805, 0.3085)$

Have a look what the booklet for
Yxy(77.5855, 0.2805, 0.3085)
contains.

Yxy(77.5855, 0.2805, 0.3085)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.5855, 0.2805, 0.3085)

Conversions

Conversions Part 1

Format	Color
Hex	C8E9FC
RGB	200, 233, 252
RGB Percent	78%, 91%, 99%
CMY	0.2154, 0.0863, 0.0117
CMYK	0.21, 0.08, 0.00, 0.01
HSL	202°, 90%, 89%
HSV	202°, 21%, 99%
XYZ	70.5437, 77.5855, 103.3635
YIQ	225.2990, -25.7670, -1.0870

Conversions

Conversions Part 2

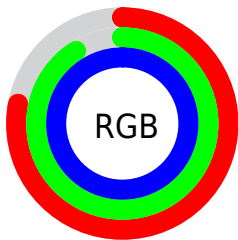
Format	Color
R _Y B	200, 220, 252
Decimal	13167100
CIE Lab	90.59, -6.74, -12.79
CIE LCh	91, 14.454, 242.196
Yxy	77.5855, 0.2805, 0.3085
Android (android.graphics.Color)	4291357180 (0xFFC8E9FC)
YUV	225.2990, 13.1636, -22.1872
Hunter-Lab	88.0826, -11.1874, -7.9180

Details

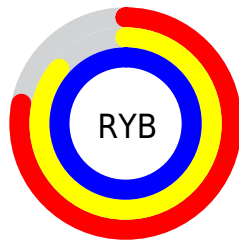
The Yxy color **77.5855, 0.2805, 0.3085** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.5843, 0.3503, 0.3486**, and the grayscale version is **75.4491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.4042, 0.2733, 0.3037** is the 20% darker color. If you saturate the color by 10%, you get **69.3083, 0.2649, 0.2970**, and if you desaturate by 10%, it is **86.7144, 0.2962, 0.3190**.

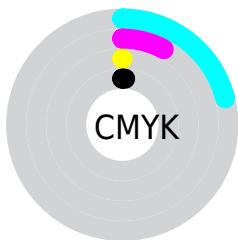
Distribution



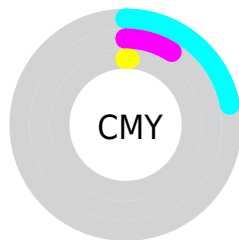
- Red (78%)
- Green (91%)
- Blue (99%)



- Red (78%)
- Yellow (86%)
- Blue (99%)



- Cyan (21%)
- Magenta (8%)
- Yellow (0%)
- Black (1%)



- Cyan (22%)
- Magenta (9%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.5855, 0.2805, 0.3085 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 77.5855, 0.2805, 0.3085 by changing the saturation by 10% instead.

■ 77.5855, 0.2805,
0.3085

■ 77.5855, 0.2805,
0.3085

486.7580, 0.2951,
0.3180

■ 57.7335, 0.2772,
0.3063

129.9656, 0.2855,
0.3118

■ 41.5945, 0.2733,
0.3037

163.2626, 0.2875,
0.3131

■ 28.7839, 0.2683,
0.3003

201.8101, 0.2892,
0.3142

■ 18.9174, 0.2619,
0.2959

245.9924, 0.2906,
0.3151

■ 11.6106, 0.2533,
0.2899

296.1939, 0.2920,
0.3160

■ 6.4791, 0.2414,
0.2814

352.7991, 0.2931,

■ 3.1385, 0.2237,

0.3167

0.2683

416.1923, 0.2942,
0.3174

■ 1.2045, 0.1947,
0.2457

■ 0.0654, 0.0000,
0.0634

■ 77.5855, 0.2805,
0.3085

■ 77.5855, 0.2805,
0.3085

■ 69.3083, 0.2649,
0.2970

■ 86.7144, 0.2962,
0.3190

■ 61.8412, 0.2497,
0.2846

■ 96.7157, 0.3118,
0.3285

■ 55.1527, 0.2355,
0.2714

■ 99.8092, 0.3144,
0.3318

■ 49.2053, 0.2224,
0.2575

■ 43.9573, 0.2111,
0.2433

■ 39.3613, 0.2017,
0.2290

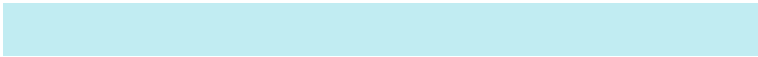
■ 35.3617, 0.1945,
0.2148

■ 32.0688, 0.1894,
0.2019

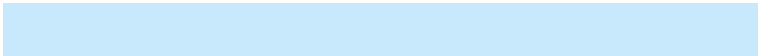
Harmonies

Analogous

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



77.5855, 0.2820, 0.3217



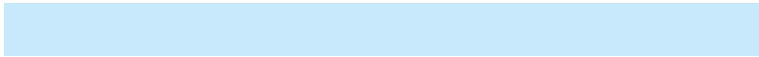
77.5855, 0.2805, 0.3085



77.5855, 0.2873, 0.3012

Triad

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



77.5855, 0.2805, 0.3085



77.5855, 0.3341, 0.3203



77.5855, 0.3239, 0.3585

Complementary

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



77.5855, 0.2805, 0.3085



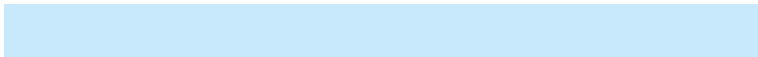
75.5843, 0.3503, 0.3486

Split Complementary

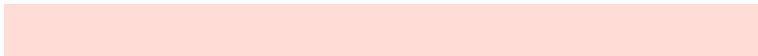
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.5855, 0.3384, 0.3573



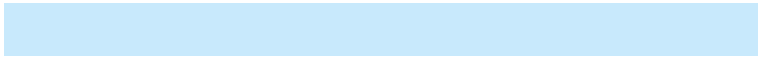
77.5855, 0.2805, 0.3085



77.5855, 0.3444, 0.3349

Square

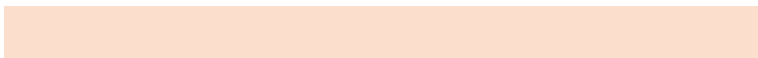
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



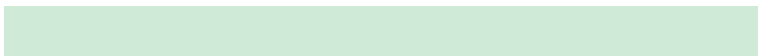
77.5855, 0.2805, 0.3085



77.5855, 0.3180, 0.3082



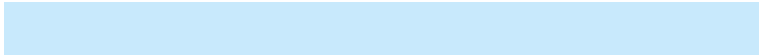
77.5855, 0.3460, 0.3484



77.5855, 0.3068, 0.3513

Rectangle

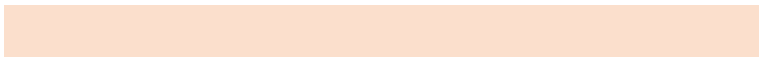
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.5855, 0.2805, 0.3085



77.5855, 0.2958, 0.3004



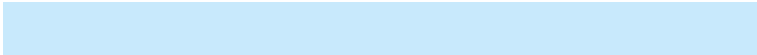
77.5855, 0.3460, 0.3484



77.5855, 0.3293, 0.3591

Sweetspot

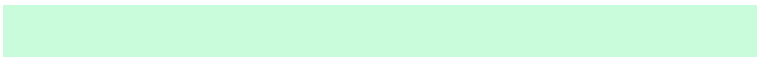
The Sweet Spot groups the original color and five complimentary colors.



77.5887, 0.2805, 0.3085



93.6891, 0.3034, 0.3235



86.9936, 0.2999, 0.3657



19.9106, 0.3024, 0.3229



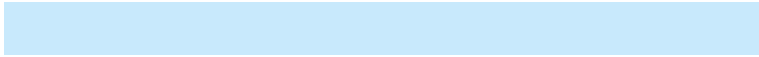
0.0000, 0.0000, 0.0000



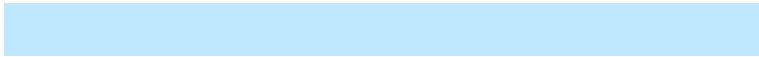
21.4041, 0.3127, 0.3290

Same Dimension

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



77.5887, 0.2805, 0.3085



75.8448, 0.2736, 0.3036



64.3617, 0.2786, 0.2805



18.4770, 0.2980, 0.3201



16.9938, 0.1901, 0.2042



1.7759, 0.1947, 0.2207

Inverse Universe

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



67.9209, 0.3289, 0.2957



64.4370, 0.3331, 0.2883



89.7067, 0.3454, 0.3733



17.4104, 0.3194, 0.3141



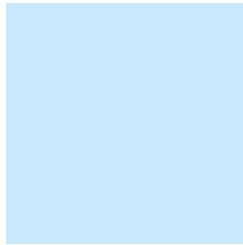
12.1264, 0.4406, 0.2201



1.1435, 0.4224, 0.2101

Previews

White Background



This preview shows how the Yxy color 77.5855, 0.2805, 0.3085 looks on a white background.

Color Contrast Check

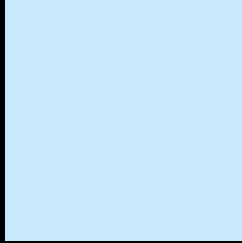
Large Text (above 18pt) WCAG AA × Fail

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 77.5855, 0.2805, 0.3085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

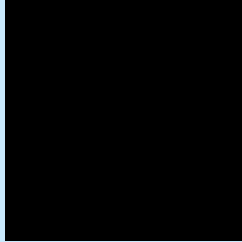
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

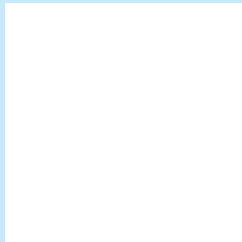
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.5855, 0.2805, 0.3085

Background



This preview shows how black text looks on a background with the Yxy color 77.5855, 0.2805, 0.3085.



This preview shows how white text looks on a background with the Yxy color 77.5855, 0.2805, 0.3085.

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

77.5855, 0.2805, 0.3085

Protanopia

77.3388, 0.2989, 0.3062

Deuteranopia

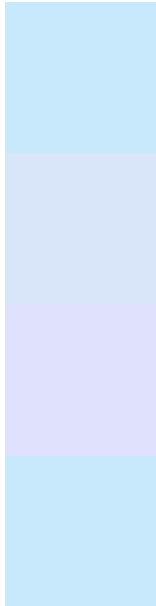
77.4028, 0.3026, 0.2967



Tritanopia

77.5855, 0.2805, 0.3085

Trichromacy



Original Color

77.5855, 0.2805, 0.3085

Protanomaly

77.6299, 0.2925, 0.3080

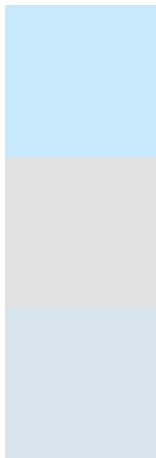
Deuteranomaly

77.3319, 0.2946, 0.3011

Tritanomaly

77.5855, 0.2805, 0.3085

Monochromacy



Original Color

77.5855, 0.2805, 0.3085

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

76.0839, 0.3002, 0.3215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.5855, 0.2805, 0.3085 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(200, 233, 252)` looks like.

```
.text, #text, p{  
    color:rgb(200, 233, 252)  
}
```

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(200, 233, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 233, 252) }
```

Border

The CSS property to change the border of an element to Yxy 77.5855, 0.2805, 0.3085 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(200, 233, 252) }
```

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

```
.border{ border-color:rgb(200, 233, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 233, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 233, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 233, 252);  
box-shadow:4px 4px 4px 4px rgb(200, 233,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 77.5855, 0.2805, 0.3085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 233, 252) }
```

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

```
.background{ background-color: rgb(200,  
233, 252) }
```

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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