

Converting Colors

$Yxy(77.1216, 0.2862, 0.3213)$

Have a look what the booklet for
Yxy(77.1216, 0.2862, 0.3213)
contains.

Yxy(77.3386, 0.2860, 0.3213)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(77.3386, 0.2860, 0.3213)

Conversions

Conversions Part 1

Format	Color
Hex	C7EAF1
RGB	199, 234, 241
RGB Percent	78%, 92%, 95%
CMY	0.2198, 0.0823, 0.0549
CMYK	0.17, 0.03, 0.00, 0.05
HSL	190°, 60%, 86%
HSV	190°, 17%, 95%
XYZ	68.8417, 77.3386, 94.5250
YIQ	224.3330, -23.1070, -5.2430

Conversions

Conversions Part 2

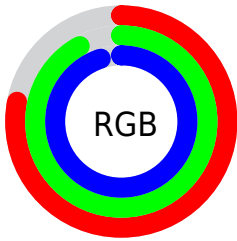
Format	Color
R _Y B	199, 218, 241
Decimal	13101809
CIE Lab	90.48, -9.92, -7.21
CIE LCh	90, 12.267, 215.997
Yxy	77.3386, 0.2860, 0.3213
Android (android.graphics.Color)	4291291889 (0xFFC7EAF1)
YUV	224.3330, 8.2168, -22.2170
Hunter-Lab	87.9424, -14.1685, -2.1683

Details

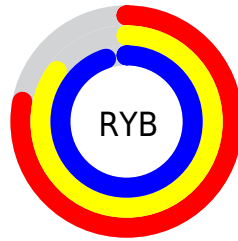
The Yxy color **77.3386, 0.2860, 0.3213** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.9320, 0.3451, 0.3366**, and the grayscale version is **74.7391, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.3633, 0.2803, 0.3190** is the 20% darker color. If you saturate the color by 10%, you get **72.0484, 0.2715, 0.3164**, and if you desaturate by 10%, it is **83.2088, 0.3012, 0.3259**.

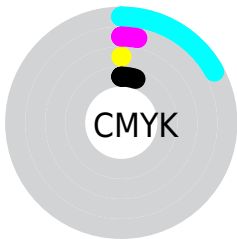
Distribution



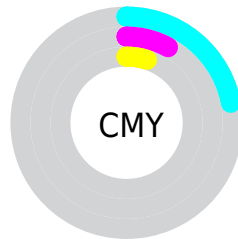
- Red (78%)
- Green (92%)
- Blue (95%)



- Red (78%)
- Yellow (85%)
- Blue (95%)



- Cyan (17%)
- Magenta (3%)
- Yellow (0%)
- Black (5%)



- Cyan (22%)
- Magenta (8%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.3386, 0.2860, 0.3213 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 77.3386, 0.2860, 0.3213 by changing the saturation by 10% instead.

■ 77.3386, 0.2860,
0.3213

■ 77.3386, 0.2860,
0.3213

485.9177, 0.2981,
0.3250

■ 57.5308, 0.2833,
0.3204

129.6173, 0.2902,
0.3226

■ 41.4316, 0.2800,
0.3194

162.8571, 0.2918,
0.3231

■ 28.6565, 0.2758,
0.3180

201.3429, 0.2932,
0.3235

■ 18.8211, 0.2704,
0.3162

245.4593, 0.2944,
0.3239

■ 11.5411, 0.2631,
0.3137

295.5906, 0.2955,
0.3242

■ 6.4320, 0.2530,
0.3100

352.1211, 0.2965,

■ 3.1095, 0.2376,

0.3245

0.3040

415.4354, 0.2974,
0.3247

■ 1.1892, 0.2119,
0.2929

■ 0.0528, 0.0000,
0.0860

■ 77.3386, 0.2860,
0.3213

■ 77.3386, 0.2860,
0.3213

■ 72.0484, 0.2715,
0.3164

■ 83.2088, 0.3012,
0.3259

■ 67.3036, 0.2578,
0.3111

■ 89.6725, 0.3167,
0.3300

■ 63.0808, 0.2455,
0.3055

■ 93.5432, 0.3215,
0.3339

■ 59.3506, 0.2347,
0.2996

■ 96.0063, 0.3212,
0.3377

■ 56.0805, 0.2257,
0.2937

■ 98.5222, 0.3209,
0.3415

■ 53.2337, 0.2186,
0.2876

■ 99.1315, 0.3209,
0.3425

■ 50.7669, 0.2135,
0.2816

■ 48.6234, 0.2102,
0.2757

■ 48.1073, 0.2095,
0.2742

Harmonies

Analogous

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



77.3386, 0.2934, 0.3346



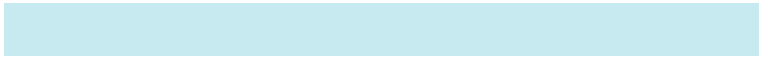
77.3386, 0.2860, 0.3213



77.3386, 0.2856, 0.3105

Triad

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



77.3386, 0.2860, 0.3213



77.3386, 0.3191, 0.3123



77.3386, 0.3332, 0.3536

Complementary

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



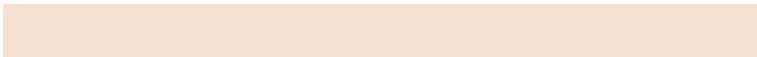
77.3386, 0.2860, 0.3213



66.9320, 0.3451, 0.3366

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.



77.3386, 0.3405, 0.3468



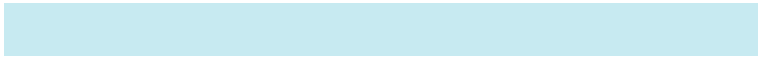
77.3386, 0.2860, 0.3213



77.3386, 0.3323, 0.3232

Square

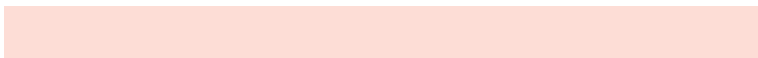
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.3386, 0.2860, 0.3213



77.3386, 0.3045, 0.3057



77.3386, 0.3402, 0.3357



77.3386, 0.3205, 0.3536

Rectangle

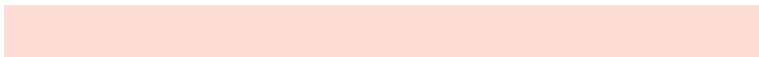
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.3386, 0.2860, 0.3213



77.3386, 0.2893, 0.3061



77.3386, 0.3402, 0.3357



77.3386, 0.3364, 0.3520

Sweetspot

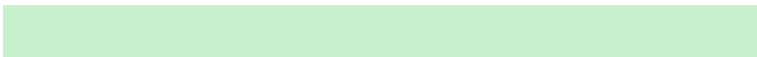
The Sweet Spot groups the original color and five complimentary colors.



77.3418, 0.2860, 0.3213



96.3172, 0.3049, 0.3269



79.4700, 0.3068, 0.3691



20.5080, 0.3038, 0.3266



0.0000, 0.0000, 0.0000



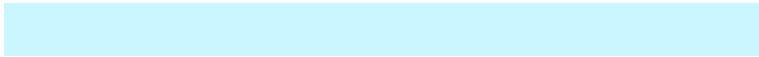
21.4041, 0.3127, 0.3290

Same Dimension

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



77.3418, 0.2860, 0.3213



85.6735, 0.2807, 0.3196



66.4084, 0.2849, 0.2985



17.4557, 0.2981, 0.3250



26.2566, 0.2098, 0.2752



2.3018, 0.2120, 0.2830

Inverse Universe

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



65.4630, 0.3198, 0.2926



69.9035, 0.3215, 0.2849



77.3711, 0.3415, 0.3578



15.9837, 0.3163, 0.3095



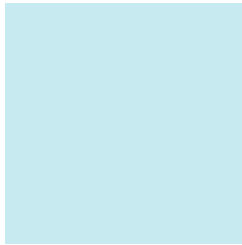
12.4440, 0.3679, 0.1801



1.0471, 0.3607, 0.1761

Previews

White Background



This preview shows how the Yxy color 77.3386, 0.2860, 0.3213 looks on a white background.

Color Contrast Check

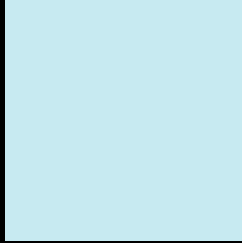
Large Text (above 18pt) WCAG AA × Fail

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 77.3386, 0.2860, 0.3213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

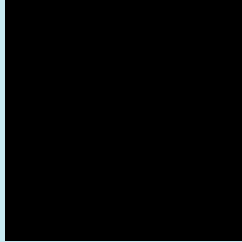
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

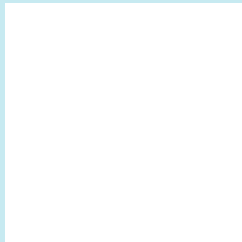
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.3386, 0.2860, 0.3213

Background



This preview shows how black text looks on a background with the Yxy color 77.3386, 0.2860, 0.3213.

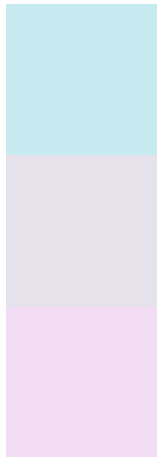


This preview shows how white text looks on a background with the Yxy color 77.3386, 0.2860, 0.3213.

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

77.3386, 0.2860, 0.3213

Protanopia

77.1069, 0.3084, 0.3185

Deuteranopia

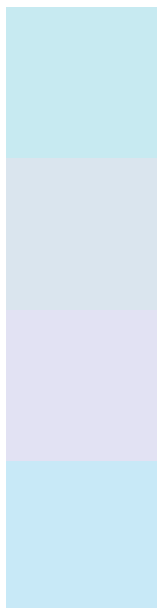
77.1218, 0.3124, 0.3057



Tritanopia

77.0958, 0.2815, 0.3085

Trichromacy



Original Color

77.3386, 0.2860, 0.3213

Protanomaly

77.1171, 0.2997, 0.3194

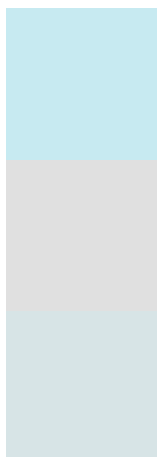
Deuteranomaly

77.0325, 0.3020, 0.3112

Tritanomaly

77.2726, 0.2832, 0.3138

Monochromacy



Original Color

77.3386, 0.2860, 0.3213

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.6470, 0.3026, 0.3268

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3386, 0.2860, 0.3213 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(199, 234, 241)` looks like.

```
.text, #text, p{  
    color:rgb(199, 234, 241)  
}
```

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(199, 234, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 234, 241) }
```

Border

The CSS property to change the border of an element to Yxy 77.3386, 0.2860, 0.3213 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(199, 234, 241) }
```

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

```
.border{ border-color:rgb(199, 234, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 234, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 234, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 234, 241);  
box-shadow:4px 4px 4px 4px rgb(199, 234,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3386, 0.2860, 0.3213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 234, 241) }
```

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

```
.background{ background-color: rgb(199,  
234, 241) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor