

Converting Colors

$Yxy(77.1320, 0.2879, 0.3115)$

Have a look what the booklet for
Yxy(77.1320, 0.2879, 0.3115)
contains.

Yxy(77.2771, 0.2880, 0.3118)	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(77.2771, 0.2880, 0.3118)

Conversions

Conversions Part 1

Format	Color
Hex	D0E7F7
RGB	208, 231, 247
RGB Percent	82%, 91%, 97%
CMY	0.1844, 0.0941, 0.0312
CMYK	0.16, 0.06, 0.00, 0.03
HSL	205°, 71%, 89%
HSV	205°, 16%, 97%
XYZ	71.3785, 77.2771, 99.1863
YIQ	225.9470, -18.8440, 0.1000

Conversions

Conversions Part 2

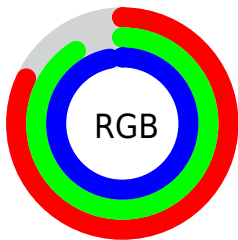
Format	Color
R _{YB}	208, 222, 247
Decimal	13690871
CIE Lab	90.45, -4.35, -10.34
CIE LCh	90, 11.224, 247.175
Yxy	77.2771, 0.2880, 0.3118
Android (android.graphics.Color)	4291880951 (0xFFD0E7F7)
YUV	225.9470, 10.3791, -15.7395
Hunter-Lab	87.9074, -8.9007, -5.3620

Details

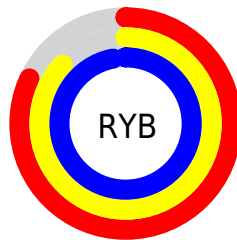
The Yxy color `77.2771, 0.2880, 0.3118` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `77.6609, 0.3401, 0.3456`, and the grayscale version is `75.9483, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `41.1938, 0.2820, 0.3067` is the 20% darker color. If you saturate the color by 10%, you get `68.4585, 0.2721, 0.2994`, and if you desaturate by 10%, it is `86.9890, 0.3037, 0.3230`.

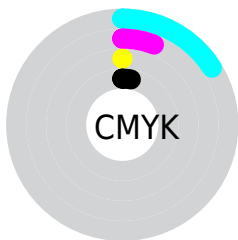
Distribution



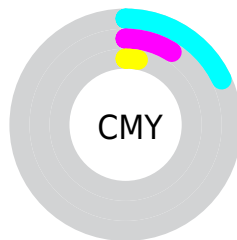
- Red (82%)
- Green (91%)
- Blue (97%)



- Red (82%)
- Yellow (87%)
- Blue (97%)



- Cyan (16%)
- Magenta (6%)
- Yellow (0%)
- Black (3%)



- Cyan (18%)
- Magenta (9%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.2771, 0.2880, 0.3118 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 77.2771, 0.2880, 0.3118 by changing the saturation by 10% instead.

■ 77.2771, 0.2880,
0.3118

■ 77.2771, 0.2880,
0.3118

485.7083, 0.2992,
0.3197

■ 57.4803, 0.2855,
0.3100

129.5306, 0.2919,
0.3145

■ 41.3910, 0.2824,
0.3078

162.7560, 0.2934,
0.3156

■ 28.6247, 0.2785,
0.3050

201.2266, 0.2947,
0.3165

■ 18.7971, 0.2735,
0.3013

245.3265, 0.2958,
0.3173

■ 11.5238, 0.2668,
0.2963

295.4402, 0.2968,
0.3181

■ 6.4203, 0.2574,
0.2892

351.9522, 0.2977,

■ 3.1023, 0.2431,

0.3187

0.2783

415.2467, 0.2985,
0.3192

■ 1.1854, 0.2193,
0.2593

■ 0.0497, 0.0000,
0.0601

■ 77.2771, 0.2880,
0.3118

■ 77.2771, 0.2880,
0.3118

■ 68.4585, 0.2721,
0.2994

■ 86.9890, 0.3037,
0.3230

■ 60.4923, 0.2563,
0.2859

■ 97.1575, 0.3175,
0.3331

■ 53.3483, 0.2411,
0.2714

■ 99.4983, 0.3173,
0.3366

■ 46.9904, 0.2268,
0.2560

■ 41.3792, 0.2140,
0.2401

■ 36.4704, 0.2029,
0.2240

■ 32.2136, 0.1940,
0.2079

■ 28.5472, 0.1873,
0.1923

■ 27.1507, 0.1850,
0.1859

Harmonies

Analogous

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



77.2771, 0.2881, 0.3215



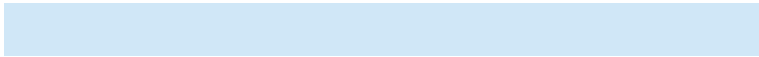
77.2771, 0.2880, 0.3118



77.2771, 0.2944, 0.3069

Triad

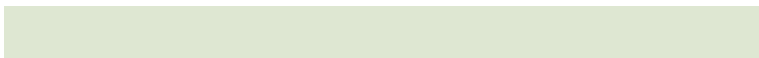
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.2771, 0.2880, 0.3118



77.2771, 0.3310, 0.3241



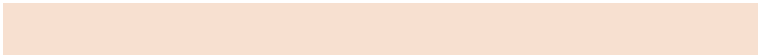
77.2771, 0.3193, 0.3513

Complementary

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



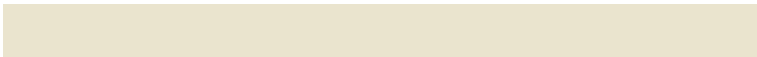
77.2771, 0.2880, 0.3118



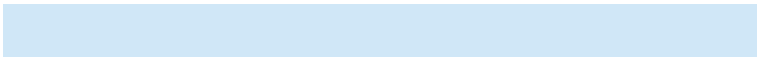
77.6609, 0.3401, 0.3456

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.



77.2771, 0.3311, 0.3516



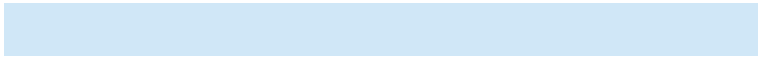
77.2771, 0.2880, 0.3118



77.2771, 0.3380, 0.3356

Square

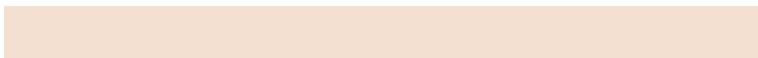
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.2771, 0.2880, 0.3118



77.2771, 0.3191, 0.3140



77.2771, 0.3380, 0.3457



77.2771, 0.3060, 0.3447

Rectangle

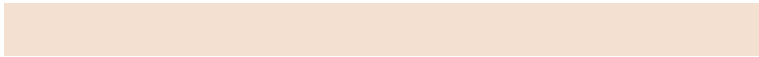
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.2771, 0.2880, 0.3118



77.2771, 0.3015, 0.3068



77.2771, 0.3380, 0.3457



77.2771, 0.3236, 0.3522

Sweetspot

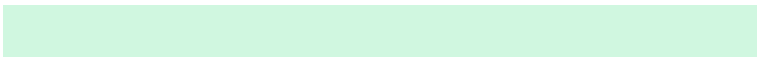
The Sweet Spot groups the original color and five complimentary colors.



77.2803, 0.2880, 0.3118



94.3661, 0.3050, 0.3239



85.3183, 0.3017, 0.3542



20.0330, 0.3039, 0.3231



0.0000, 0.0000, 0.0000



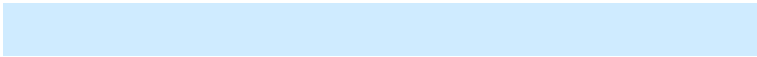
21.4041, 0.3127, 0.3290

Same Dimension

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



77.2803, 0.2880, 0.3118



79.8964, 0.2829, 0.3079



67.1576, 0.2871, 0.2908



17.5501, 0.2980, 0.3190



14.6397, 0.1857, 0.1885



1.4887, 0.1911, 0.2078

Inverse Universe

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



70.6561, 0.3258, 0.3055



71.6720, 0.3289, 0.3005



88.5213, 0.3371, 0.3646



16.6464, 0.3201, 0.3151



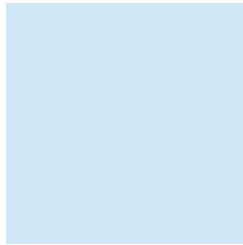
11.5773, 0.4585, 0.2299



1.0379, 0.4365, 0.2178

Previews

White Background



This preview shows how the Yxy color 77.2771, 0.2880, 0.3118 looks on a white background.

Color Contrast Check

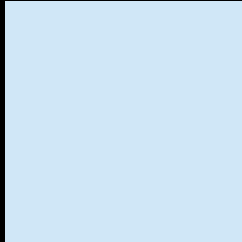
Large Text (above 18pt) WCAG AA × Fail

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 77.2771, 0.2880, 0.3118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

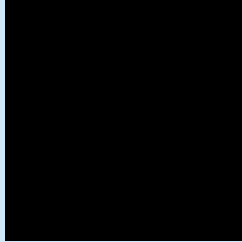
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

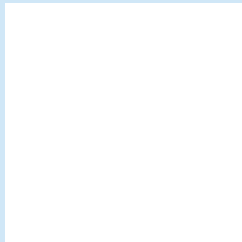
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.2771, 0.2880, 0.3118

Background



This preview shows how black text looks on a background with the Yxy color 77.2771, 0.2880, 0.3118.



This preview shows how white text looks on a background with the Yxy color 77.2771, 0.2880, 0.3118.

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

77.2771, 0.2880, 0.3118

Protanopia

77.2553, 0.3020, 0.3103

Deuteranopia

76.9032, 0.3071, 0.3007



Tritanopia

77.4013, 0.2869, 0.3098

Trichromacy



Original Color

77.2771, 0.2880, 0.3118

Protanomaly

77.2950, 0.2968, 0.3111

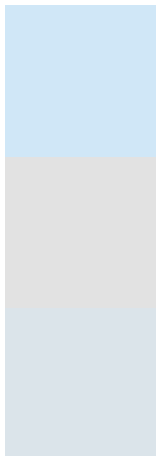
Deuteranomaly

77.1217, 0.3002, 0.3052

Tritanomaly

77.3390, 0.2875, 0.3108

Monochromacy



Original Color

77.2771, 0.2880, 0.3118

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.4874, 0.3028, 0.3226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.2771, 0.2880, 0.3118 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, 247)` looks like.

```
.text, #text, p{  
    color:rgb(208, 231, 247)  
}
```

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, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 231, 247) }
```

Border

The CSS property to change the border of an element to Yxy 77.2771, 0.2880, 0.3118 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, 247) }
```

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

```
.border{ border-color:rgb(208, 231, 247) }
```

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, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 231, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 231, 247);  
box-shadow:4px 4px 4px 4px rgb(208, 231,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 77.2771, 0.2880, 0.3118 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, 247) }
```

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

```
.background{ background-color: rgb(208,  
231, 247) }
```

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