

Converting Colors

$Yxy(77.7821, 0.2692, 0.3191)$

Have a look what the booklet for
Yxy(77.7821, 0.2692, 0.3191)
contains.

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Color

Yxy(77.6243, 0.2690, 0.3188)

Conversions

Conversions Part 1

Format	Color
Hex	AFEFF8
RGB	175, 239, 248
RGB Percent	69%, 94%, 97%
CMY	0.3136, 0.0628, 0.0273
CMYK	0.29, 0.04, 0.00, 0.03
HSL	187°, 84%, 83%
HSV	187°, 29%, 97%
XYZ	65.4985, 77.6243, 100.3662
YIQ	220.8900, -41.0330, -10.7690

Conversions

Conversions Part 2

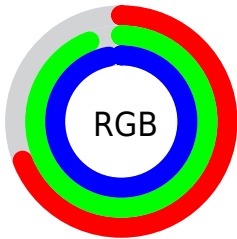
Format	Color
RYB	175, 209, 248
Decimal	11530232
CIELab	90.61, -17.88, -10.84
CIElCh	91, 20.906, 211.219
Yxy	77.6243, 0.2690, 0.3188
Android (android.graphics.Color)	4289720312 (0xFFAFEFF8)
YUV	220.8900, 13.3652, -40.2455
Hunter-Lab	88.1047, -21.4831, -5.8681

Details

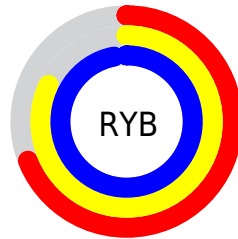
The Yxy color **77.6243, 0.2690, 0.3188** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.3724, 0.3758, 0.3389**, and the grayscale version is **72.1589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **41.6658, 0.2591, 0.3157** is the 20% darker color. If you saturate the color by 10%, you get **73.2318, 0.2560, 0.3148**, and if you desaturate by 10%, it is **82.5807, 0.2832, 0.3225**.

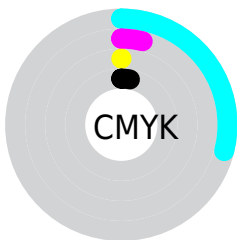
Distribution



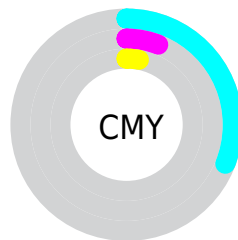
- Red (69%)
- Green (94%)
- Blue (97%)



- Red (69%)
- Yellow (82%)
- Blue (97%)



- Cyan (29%)
- Magenta (4%)
- Yellow (0%)
- Black (3%)





- Cyan (31%)
- Magenta (6%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.6243, 0.2690, 0.3188 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 77.6243, 0.2690, 0.3188 by changing the saturation by 10% instead.


 77.6243, 0.2690,
0.3188

 77.6243, 0.2690,
0.3188


486.8900, 0.2887,
0.3238

 57.7654, 0.2646,
0.3176


 130.0204, 0.2757,
0.3206

 41.6201, 0.2593,
0.3161


163.3263, 0.2784,
0.3213

 28.8039, 0.2526,
0.3141


201.8834, 0.2807,
0.3219

 18.9325, 0.2441,
0.3115

246.0761, 0.2827,
0.3224

 11.6215, 0.2328,
0.3077

296.2887, 0.2845,
0.3228

 6.4865, 0.2171,
0.3021

352.9056, 0.2860,

 3.1431, 0.1941,

0.3232

0.2929

416.3112, 0.2874,
0.3235

■ 1.2069, 0.1556,
0.2762

■ 0.0673, 0.0000,
0.0750

■ 77.6243, 0.2690,
0.3188

■ 77.6243, 0.2690,
0.3188

■ 73.2318, 0.2560,
0.3148

■ 82.5807, 0.2832,
0.3225

■ 69.3649, 0.2444,
0.3107

■ 88.1185, 0.2981,
0.3260

■ 65.9949, 0.2345,
0.3064

■ 94.2660, 0.3136,
0.3292

■ 63.0862, 0.2264,
0.3020

■ 97.2110, 0.3170,
0.3321

■ 60.5986, 0.2204,
0.2976

■ 99.1489, 0.3168,
0.3350

■ 58.4838, 0.2162,
0.2932

■ 99.5596, 0.3167,
0.3357

■ 56.6672, 0.2137,
0.2889

■ 56.5679, 0.2135,
0.2887

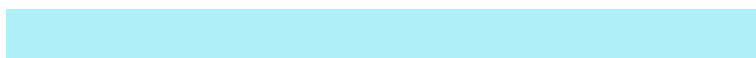
Harmonies

Analogous

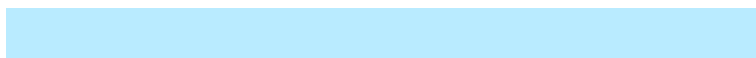
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.6243, 0.2828, 0.3421



77.6243, 0.2690, 0.3188



77.6243, 0.2665, 0.2996

Triad

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



77.6243, 0.2690, 0.3188



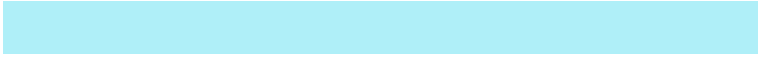
77.6243, 0.3194, 0.2988



77.6243, 0.3503, 0.3696

Complementary

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



77.6243, 0.2690, 0.3188



57.3724, 0.3758, 0.3389

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.



77.6243, 0.3611, 0.3560



77.6243, 0.2690, 0.3188



77.6243, 0.3429, 0.3157

Square

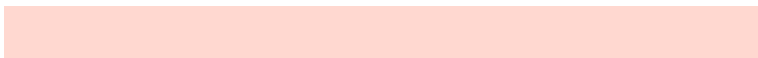
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.6243, 0.2690, 0.3188



77.6243, 0.2948, 0.2892



77.6243, 0.3585, 0.3363



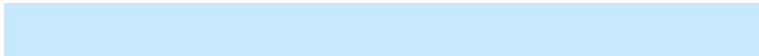
77.6243, 0.3294, 0.3723

Rectangle

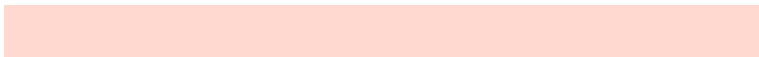
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.6243, 0.2690, 0.3188



77.6243, 0.2714, 0.2916



77.6243, 0.3585, 0.3363



77.6243, 0.3552, 0.3661

Sweetspot

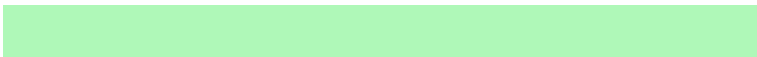
The Sweet Spot groups the original color and five complimentary colors.



77.6274, 0.2690, 0.3188



94.1039, 0.2988, 0.3261



79.7171, 0.3040, 0.4048



19.9488, 0.2965, 0.3257



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.



77.6274, 0.2690, 0.3188



79.9687, 0.2615, 0.3166



58.6183, 0.2644, 0.2767



19.2200, 0.2980, 0.3260



30.6898, 0.2137, 0.2894



2.9422, 0.2152, 0.2945

Inverse Universe

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



56.8683, 0.3232, 0.2639



54.9700, 0.3256, 0.2515



74.2736, 0.3650, 0.3761



17.4854, 0.3157, 0.3085



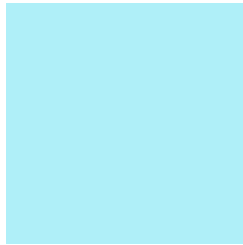
13.5091, 0.3549, 0.1729



1.2612, 0.3503, 0.1703

Previews

White Background



This preview shows how the Yxy color 77.6243, 0.2690, 0.3188 looks on a white background.

Color Contrast Check

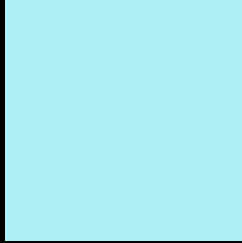
Large Text (above 18pt) WCAG AA × Fail

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 77.6243, 0.2690, 0.3188 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 77.6243, 0.2690, 0.3188

Background



This preview shows how black text looks on a background with the Yxy color 77.6243, 0.2690, 0.3188.

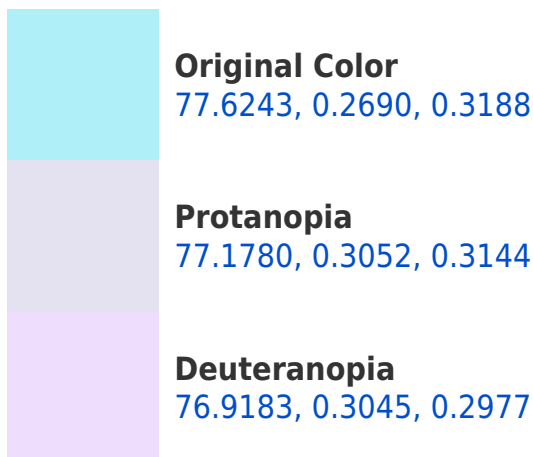


This preview shows how white text looks on a background with the Yxy color 77.6243, 0.2690, 0.3188.

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

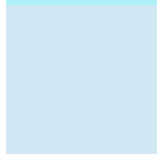
77.6121, 0.2684, 0.3092

Trichromacy



Original Color

77.6243, 0.2690, 0.3188



Protanomaly

77.1782, 0.2910, 0.3161



Deuteranomaly

76.8989, 0.2900, 0.3048



Tritanomaly

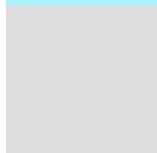
77.7611, 0.2690, 0.3134

Monochromacy



Original Color

77.6243, 0.2690, 0.3188



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

74.0937, 0.2948, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6243, 0.2690, 0.3188 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(175, 239, 248)` looks like.

```
.text, #text, p{  
    color:rgb(175, 239, 248)  
}
```

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(175, 239, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 239, 248) }
```

Border

The CSS property to change the border of an element to Yxy 77.6243, 0.2690, 0.3188 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(175, 239, 248) }
```

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

```
.border{ border-color:rgb(175, 239, 248) }
```

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

Here you see how a box with a 4 pixel rgb(175, 239, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 239, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 239, 248);  
box-shadow:4px 4px 4px 4px rgb(175, 239,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 77.6243, 0.2690, 0.3188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 239, 248) }
```

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

```
.background{ background-color: rgb(175,  
239, 248) }
```

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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