

Converting Colors

$Yxy(76.7675, 0.2657, 0.3085)$

Have a look what the booklet for
Yxy(76.7675, 0.2657, 0.3085)
contains.

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Color

Yxy(77.0185, 0.2658, 0.3090)

Conversions

Conversions Part 1

Format	Color
Hex	B0EDFF
RGB	176, 237, 255
RGB Percent	69%, 93%, 100%
CMY	0.3095, 0.0706, 0.0000
CMYK	0.31, 0.07, 0.00, 0.00
HSL	194°, 100%, 85%
HSV	194°, 31%, 100%
XYZ	66.2509, 77.0185, 105.9814
YIQ	220.8130, -42.1340, -7.3340

Conversions

Conversions Part 2

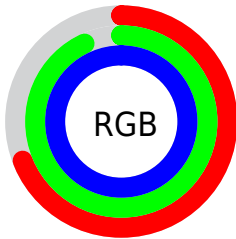
Format	Color
R _Y B	176, 210, 255
Decimal	11595263
CIE Lab	90.33, -15.00, -14.88
CIE LCh	90, 21.125, 224.777
Yxy	77.0185, 0.2658, 0.3090
Android (android.graphics.Color)	4289785343 (0xFFB0EDFF)
YUV	220.8130, 16.8542, -39.3010
Hunter-Lab	87.7602, -18.8292, -10.1680

Details

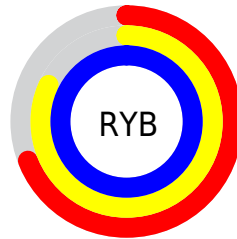
The Yxy color **77.0185, 0.2658, 0.3090** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.0198, 0.3777, 0.3480**, and the grayscale version is **72.0820, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **41.1899, 0.2557, 0.3043** is the 20% darker color. If you saturate the color by 10%, you get **71.0063, 0.2520, 0.3015**, and if you desaturate by 10%, it is **83.7044, 0.2805, 0.3161**.

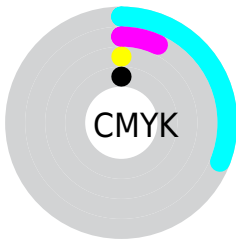
Distribution



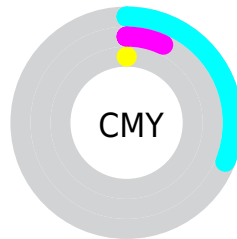
- Red (69%)
- Green (93%)
- Blue (100%)



- Red (69%)
- Yellow (82%)
- Blue (100%)



- Cyan (31%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (31%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.0185, 0.2658, 0.3090 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 77.0185, 0.2658, 0.3090 by changing the saturation by 10% instead.


 77.0185, 0.2658,
0.3090

 77.0185, 0.2658,
0.3090

484.8271, 0.2869,
0.3185

 57.2681, 0.2611,
0.3068

 129.1656, 0.2730,
0.3123

 41.2205, 0.2554,
0.3040


162.3310, 0.2758,
0.3136

 28.4914, 0.2483,
0.3005


200.7369, 0.2783,
0.3147

 18.6964, 0.2392,
0.2958

244.7677, 0.2805,
0.3157

 11.4511, 0.2272,
0.2894

294.8077, 0.2824,
0.3165

 6.3711, 0.2107,
0.2801

351.2413, 0.2840,

 3.0720, 0.1866,

0.3173

0.2655

414.4530, 0.2856,
0.3179

■ 1.1695, 0.1480,
0.2401

■ 0.0365, 0.0000,
0.0326

■ 77.0185, 0.2658,
0.3090

■ 77.0185, 0.2658,
0.3090

■ 71.0063, 0.2520,
0.3015

■ 83.7044, 0.2805,
0.3161

■ 65.6265, 0.2394,
0.2935

■ 91.0849, 0.2957,
0.3226

■ 60.8466, 0.2284,
0.2852

■ 99.1909, 0.3112,
0.3285

■ 56.6272, 0.2192,
0.2767

■ 100.0000, 0.3127,
0.3290

■ 52.9228, 0.2119,
0.2681

■ 49.6795, 0.2067,
0.2596

■ 47.0660, 0.2034,
0.2521

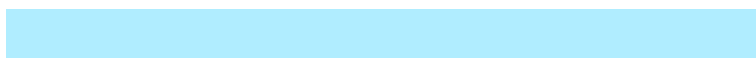
Harmonies

Analogous

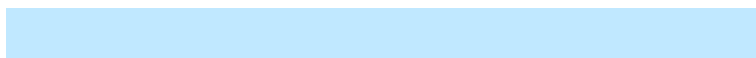
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.0185, 0.2748, 0.3315



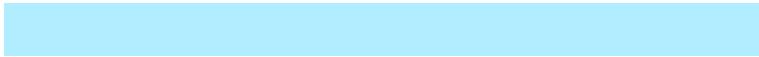
77.0185, 0.2658, 0.3090



77.0185, 0.2687, 0.2932

Triad

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



77.0185, 0.2658, 0.3090



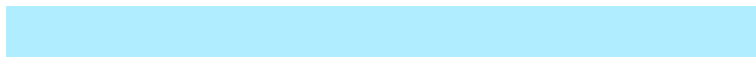
77.0185, 0.3308, 0.3055



77.0185, 0.3421, 0.3730

Complementary

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



77.0185, 0.2658, 0.3090



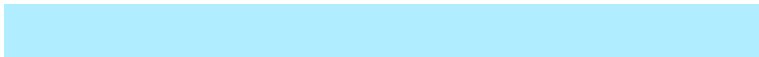
63.0198, 0.3777, 0.3480

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.



77.0185, 0.3583, 0.3636



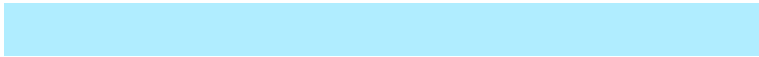
77.0185, 0.2658, 0.3090



77.0185, 0.3518, 0.3248

Square

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



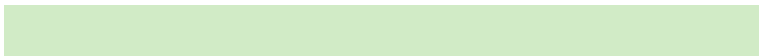
77.0185, 0.2658, 0.3090



77.0185, 0.3055, 0.2920



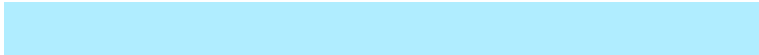
77.0185, 0.3620, 0.3458



77.0185, 0.3184, 0.3699

Rectangle

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



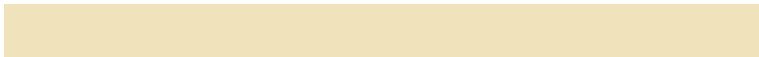
77.0185, 0.2658, 0.3090



77.0185, 0.2771, 0.2882



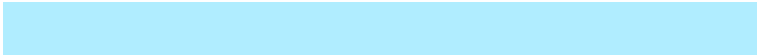
77.0185, 0.3620, 0.3458



77.0185, 0.3487, 0.3711

Sweetspot

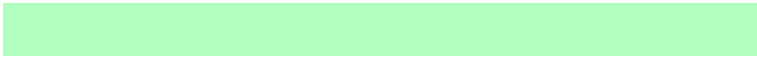
The Sweet Spot groups the original color and five complimentary colors.



77.0215, 0.2658, 0.3090



92.6081, 0.2988, 0.3238



84.6172, 0.2994, 0.4001



19.5782, 0.2965, 0.3229



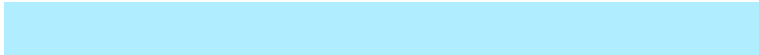
0.0000, 0.0000, 0.0000



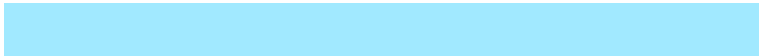
21.4041, 0.3127, 0.3290

Same Dimension

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



77.0215, 0.2658, 0.3090



73.3048, 0.2573, 0.3045



57.0478, 0.2605, 0.2641



19.7370, 0.2980, 0.3234



24.8293, 0.2037, 0.2535



2.5809, 0.2064, 0.2631

Inverse Universe

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



58.4545, 0.3304, 0.2680



52.5376, 0.3348, 0.2560



82.4709, 0.3659, 0.3863



18.2253, 0.3173, 0.3108



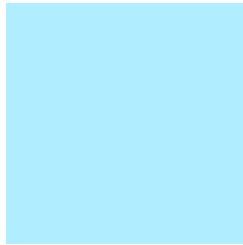
13.2345, 0.3888, 0.1916



1.3051, 0.3794, 0.1864

Previews

White Background



This preview shows how the Yxy color 77.0185, 0.2658, 0.3090 looks on a white background.

Color Contrast Check

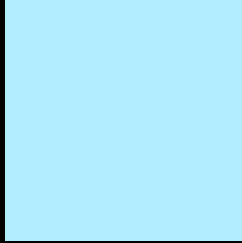
Large Text (above 18pt) WCAG AA × Fail

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 77.0185, 0.2658, 0.3090 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 77.0185, 0.2658, 0.3090

Background



This preview shows how black text looks on a background with the Yxy color 77.0185, 0.2658, 0.3090.

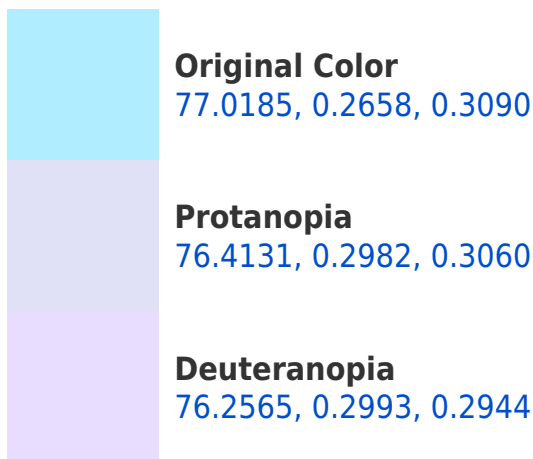


This preview shows how white text looks on a background with the Yxy color 77.0185, 0.2658, 0.3090.

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

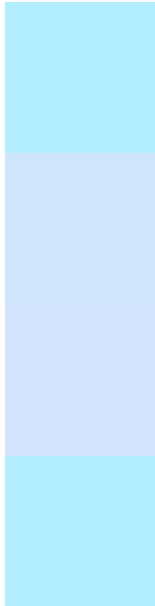




Tritanopia

77.2534, 0.2668, 0.3091

Trichromacy



Original Color

77.0185, 0.2658, 0.3090

Protanomaly

76.2061, 0.2856, 0.3065

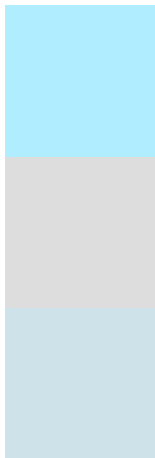
Deuteranomaly

76.1552, 0.2858, 0.2995

Tritanomaly

77.1355, 0.2663, 0.3090

Monochromacy



Original Color

77.0185, 0.2658, 0.3090

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

73.8005, 0.2942, 0.3224

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.0185, 0.2658, 0.3090 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(176, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 237, 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(176, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 237, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.0185, 0.2658, 0.3090 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(176, 237, 255) }
```

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

```
.border{ border-color:rgb(176, 237, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(176, 237,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 77.0185, 0.2658, 0.3090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 237, 255) }
```

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

```
.background{ background-color: rgb(176,  
237, 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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