

Converting Colors

$Yxy(78.8137, 0.2521, 0.2833)$

Have a look what the booklet for
Yxy(78.8137, 0.2521, 0.2833)
contains.

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Color

Yxy(77.2533, 0.2643, 0.3101)

Conversions

Conversions Part 1

Format	Color
Hex	ADEEFF
RGB	173, 238, 255
RGB Percent	68%, 93%, 100%
CMY	0.3218, 0.0666, 0.0001
CMYK	0.32, 0.07, 0.00, 0.00
HSL	192°, 100%, 84%
HSV	192°, 32%, 100%
XYZ	65.8434, 77.2533, 106.0271
YIQ	220.5030, -44.1970, -8.4930

Conversions

Conversions Part 2

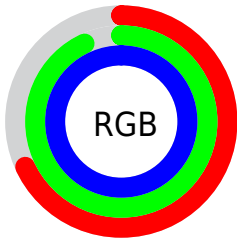
Format	Color
R_{YB}	173, 209, 255
Decimal	11398911
CIE _{Lab}	90.44, -16.37, -14.72
CIE _{LCh}	90, 22.017, 221.963
Yxy	77.2533, 0.2643, 0.3101
Android (android.graphics.Color)	4289588991 (0xFFADEEFF)
YUV	220.5030, 17.0070, -41.6601
Hunter-Lab	87.8939, -20.0956, -9.9963

Details

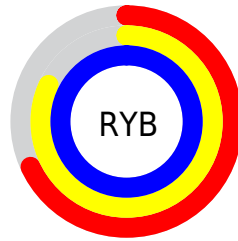
The Yxy color **77.2533, 0.2643, 0.3101** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.0491, 0.3817, 0.3470**, and the grayscale version is **71.8338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5630, 0.2976, 0.3290**, and **41.3847, 0.2540, 0.3057** is the 20% darker color. If you saturate the color by 10%, you get **71.5991, 0.2508, 0.3032**, and if you desaturate by 10%, it is **83.5580, 0.2788, 0.3165**.

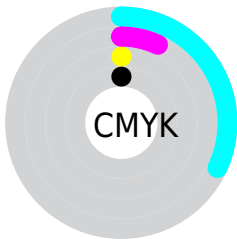
Distribution



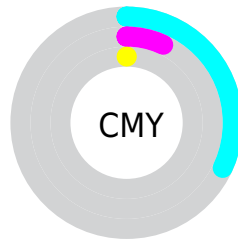
- Red (68%)
- Green (93%)
- Blue (100%)



- Red (68%)
- Yellow (82%)
- Blue (100%)



- Cyan (32%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (32%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.2533, 0.2643, 0.3101 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 77.2533, 0.2643, 0.3101 by changing the saturation by 10% instead.


 77.2533, 0.2643,
0.3101

 77.2533, 0.2643,
0.3101


485.6272, 0.2861,
0.3191

 57.4608, 0.2595,
0.3080

 129.4970, 0.2717,
0.3133

 41.3753, 0.2536,
0.3053


162.7169, 0.2747,
0.3145

 28.6125, 0.2463,
0.3020

201.1815, 0.2772,
0.3156

 18.7879, 0.2370,
0.2975

245.2751, 0.2794,
0.3165

 11.5171, 0.2247,
0.2913

295.3820, 0.2814,
0.3173

 6.4158, 0.2077,
0.2823

351.8868, 0.2831,

 3.0995, 0.1831,

0.3180

0.2680

415.1737, 0.2847,
0.3186

■ 1.1839, 0.1435,
0.2432

■ 0.0485, 0.0000,
0.0427

■ 77.2533, 0.2643,
0.3101

■ 77.2533, 0.2643,
0.3101

■ 71.5991, 0.2508,
0.3032

■ 83.5580, 0.2788,
0.3165

■ 66.5537, 0.2387,
0.2960

■ 90.5340, 0.2939,
0.3225

■ 62.0847, 0.2282,
0.2885

■ 98.2120, 0.3093,
0.3279

■ 58.1522, 0.2195,
0.2809

99.9984, 0.3127,
0.3290

■ 54.7104, 0.2128,
0.2732

■ 51.7040, 0.2081,
0.2656

■ 49.5916, 0.2055,
0.2598

Harmonies

Analogous

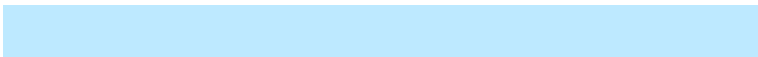
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.2533, 0.2747, 0.3339



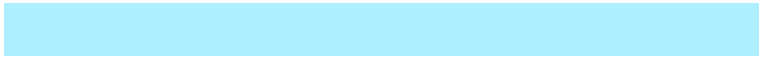
77.2533, 0.2643, 0.3101



77.2533, 0.2662, 0.2929

Triad

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



77.2533, 0.2643, 0.3101



77.2533, 0.3291, 0.3029



77.2533, 0.3453, 0.3744

Complementary

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



77.2533, 0.2643, 0.3101



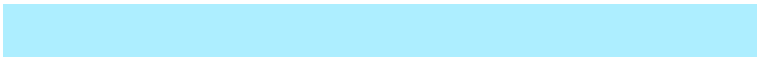
61.0491, 0.3817, 0.3470

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.



77.2533, 0.3612, 0.3636



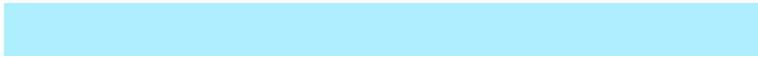
77.2533, 0.2643, 0.3101



77.2533, 0.3518, 0.3225

Square

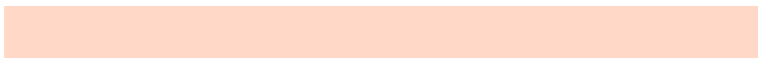
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



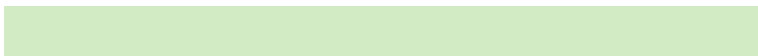
77.2533, 0.2643, 0.3101



77.2533, 0.3027, 0.2897



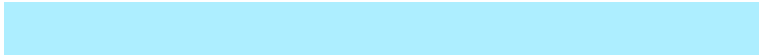
77.2533, 0.3637, 0.3445



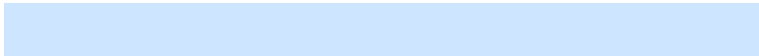
77.2533, 0.3211, 0.3725

Rectangle

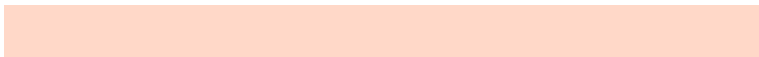
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



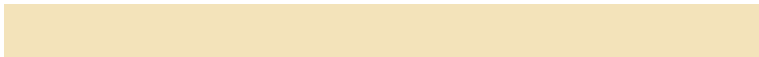
77.2533, 0.2643, 0.3101



77.2533, 0.2741, 0.2870



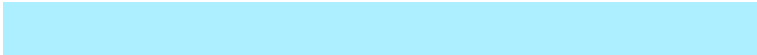
77.2533, 0.3637, 0.3445



77.2533, 0.3519, 0.3720

Sweetspot

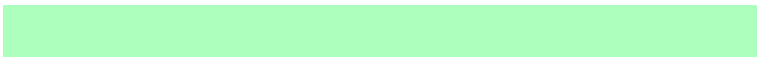
The Sweet Spot groups the original color and five complimentary colors.



77.2564, 0.2643, 0.3101



92.1639, 0.2972, 0.3237



84.0704, 0.2997, 0.4051



19.5034, 0.2951, 0.3229



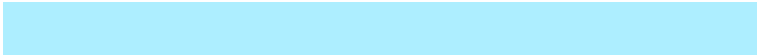
0.0000, 0.0000, 0.0000



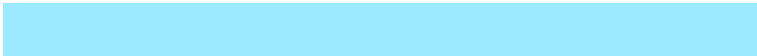
21.4041, 0.3127, 0.3290

Same Dimension

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



77.2564, 0.2643, 0.3101



73.3437, 0.2550, 0.3055



56.2765, 0.2585, 0.2628



19.8064, 0.2980, 0.3240



26.1400, 0.2058, 0.2610



2.6980, 0.2082, 0.2696

Inverse Universe

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



57.2917, 0.3298, 0.2639



50.8524, 0.3344, 0.2502



81.0661, 0.3687, 0.3873



18.2323, 0.3170, 0.3103



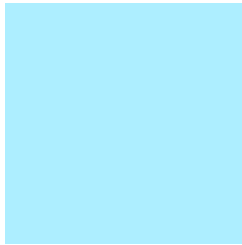
13.3668, 0.3814, 0.1875



1.3169, 0.3732, 0.1829

Previews

White Background



This preview shows how the Yxy color 77.2533, 0.2643, 0.3101 looks on a white background.

Color Contrast Check

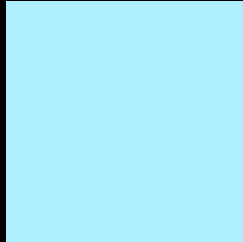
Large Text (above 18pt) WCAG AA × Fail

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 77.2533, 0.2643, 0.3101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

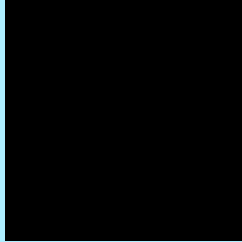
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.2533, 0.2643, 0.3101

Background



This preview shows how black text looks on a background with the Yxy color 77.2533, 0.2643, 0.3101.

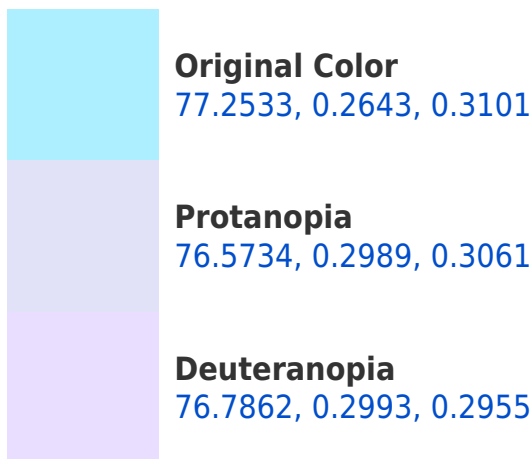


This preview shows how white text looks on a background with the Yxy color 77.2533, 0.2643, 0.3101.

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

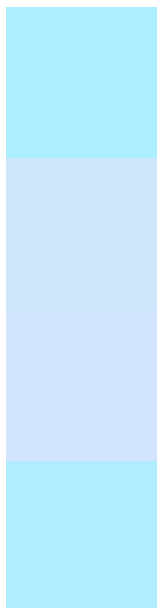




Tritanopia

77.1355, 0.2663, 0.3090

Trichromacy



Original Color

77.2533, 0.2643, 0.3101

Protanomaly

76.6176, 0.2850, 0.3076

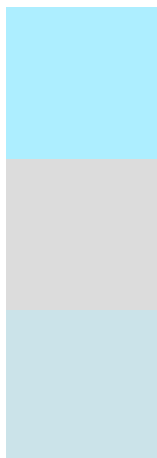
Deuteranomaly

76.5557, 0.2852, 0.3005

Tritanomaly

77.0185, 0.2658, 0.3090

Monochromacy



Original Color

77.2533, 0.2643, 0.3101

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

73.5179, 0.2929, 0.3223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.2533, 0.2643, 0.3101 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(173, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(173, 238, 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(173, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 238, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.2533, 0.2643, 0.3101 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(173, 238, 255) }
```

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

```
.border{ border-color:rgb(173, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(173, 238,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 77.2533, 0.2643, 0.3101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 238, 255) }
```

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

```
.background{ background-color: rgb(173,  
238, 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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