

Converting Colors

$Yxy(76.4559, 0.2761, 0.3246)$

Have a look what the booklet for
Yxy(76.4559, 0.2761, 0.3246)
contains.

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Color

Yxy(76.6834, 0.2762, 0.3255)

Conversions

Conversions Part 1

Format	Color
Hex	B5EDF0
RGB	181, 237, 240
RGB Percent	71%, 93%, 94%
CMY	0.2903, 0.0706, 0.0587
CMYK	0.25, 0.01, 0.00, 0.06
HSL	183°, 66%, 83%
HSV	183°, 25%, 94%
XYZ	65.0690, 76.6834, 93.8341
YIQ	220.5980, -34.3390, -10.9390

Conversions

Conversions Part 2

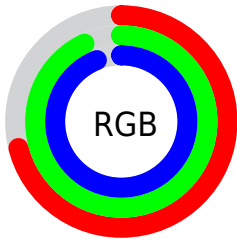
Format	Color
R _Y B	181, 210, 240
Decimal	11922928
CIE Lab	90.18, -16.98, -7.26
CIE LCh	90, 18.470, 203.158
Yxy	76.6834, 0.2762, 0.3255
Android (android.graphics.Color)	4290113008 (0xFFB5EDF0)
YUV	220.5980, 9.5652, -34.7274
Hunter-Lab	87.5691, -20.6098, -2.2335

Details

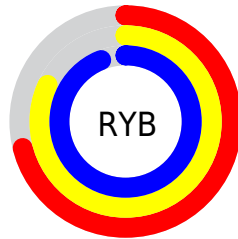
The Yxy color **76.6834, 0.2762, 0.3255** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **56.1527, 0.3637, 0.3325**, and the grayscale version is **71.9605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **40.9441, 0.2677, 0.3245** is the 20% darker color. If you saturate the color by 10%, you get **73.3206, 0.2631, 0.3239**, and if you desaturate by 10%, it is **80.5572, 0.2904, 0.3270**.

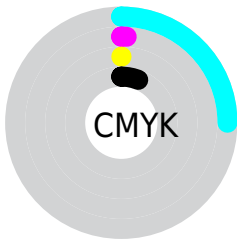
Distribution



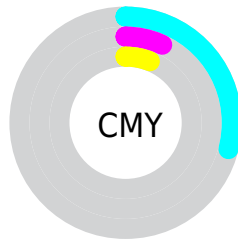
- Red (71%)
- Green (93%)
- Blue (94%)



- Red (71%)
- Yellow (82%)
- Blue (94%)



- Cyan (25%)
- Magenta (1%)
- Yellow (0%)
- Black (6%)





- Cyan (29%)
- Magenta (7%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.6834, 0.2762, 0.3255 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 76.6834, 0.2762, 0.3255 by changing the saturation by 10% instead.


 76.6834, 0.2762,
0.3255

 76.6834, 0.2762,
0.3255


483.6839, 0.2928,
0.3273

 56.9931, 0.2725,
0.3250


 128.6925, 0.2819,
0.3262

 40.9997, 0.2680,
0.3244


161.7800, 0.2841,
0.3264

 28.3188, 0.2623,
0.3236


200.1020, 0.2860,
0.3266

 18.5661, 0.2550,
0.3225

244.0430, 0.2877,
0.3268

 11.3572, 0.2452,
0.3208

293.9873, 0.2892,
0.3270

 6.3076, 0.2315,
0.3182


350.3193, 0.2905,


 3.0330, 0.2110,


0.3271


0.3137


413.4233, 0.2917,
0.3272


 1.1490, 0.1744,
0.3054


 0.0195, 0.0000,
0.0355

 76.6834, 0.2762,
0.3255


 76.6834, 0.2762,
0.3255


 73.3206, 0.2631,
0.3239


 80.5572, 0.2904,
0.3270


 70.4338, 0.2515,
0.3222

 84.9564, 0.3056,
0.3284

 67.9981, 0.2416,
0.3205

 89.9063, 0.3212,
0.3297

 65.9828, 0.2336,
0.3188

 91.0146, 0.3225,
0.3309

64.3532, 0.2275,
0.3170

91.7494, 0.3224,
0.3321

63.0688, 0.2234,
0.3153

92.4891, 0.3223,
0.3333

62.0803, 0.2210,
0.3136

93.2338, 0.3222,
0.3344

61.6292, 0.2202,
0.3127

93.9834, 0.3221,
0.3356

94.7380, 0.3220,
0.3368

Harmonies

Analogous

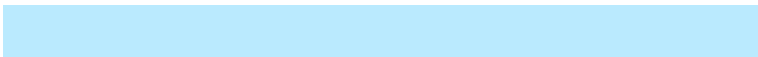
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.6834, 0.2908, 0.3459



76.6834, 0.2762, 0.3255



76.6834, 0.2711, 0.3070

Triad

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



76.6834, 0.2762, 0.3255



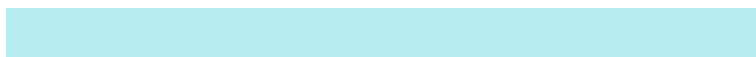
76.6834, 0.3127, 0.2990



76.6834, 0.3497, 0.3626

Complementary

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



76.6834, 0.2762, 0.3255



56.1527, 0.3637, 0.3325

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.



76.6834, 0.3562, 0.3488



76.6834, 0.2762, 0.3255



76.6834, 0.3344, 0.3127

Square

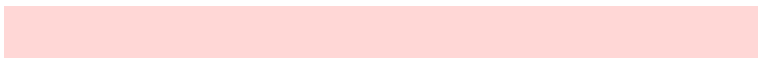
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.6834, 0.2762, 0.3255



76.6834, 0.2916, 0.2926



76.6834, 0.3505, 0.3306



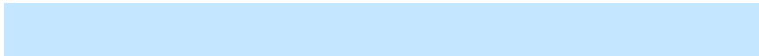
76.6834, 0.3332, 0.3678

Rectangle

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



76.6834, 0.2762, 0.3255



76.6834, 0.2736, 0.2982



76.6834, 0.3505, 0.3306



76.6834, 0.3531, 0.3588

Sweetspot

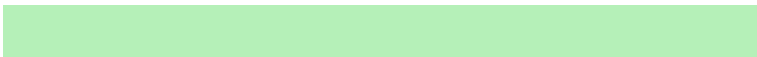
The Sweet Spot groups the original color and five complimentary colors.



76.6865, 0.2762, 0.3255



96.1878, 0.3018, 0.3281



75.6194, 0.3077, 0.3953



20.5209, 0.3009, 0.3280



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.



76.6865, 0.2762, 0.3255



85.7872, 0.2689, 0.3246



61.0109, 0.2732, 0.2913



17.7819, 0.2981, 0.3277



33.7882, 0.2203, 0.3130



2.8531, 0.2209, 0.3152

Inverse Universe

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



57.6873, 0.3179, 0.2707



60.2701, 0.3192, 0.2576



69.6874, 0.3562, 0.3640



16.0166, 0.3146, 0.3069



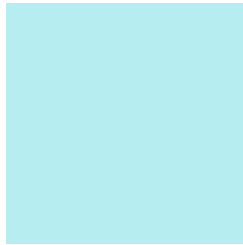
13.2043, 0.3342, 0.1615



1.1027, 0.3323, 0.1604

Previews

White Background



This preview shows how the Yxy color 76.6834, 0.2762, 0.3255 looks on a white background.

Color Contrast Check

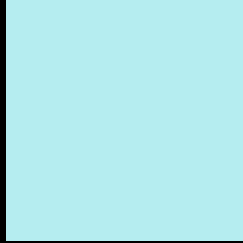
Large Text (above 18pt) WCAG AA × Fail

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 76.6834, 0.2762, 0.3255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

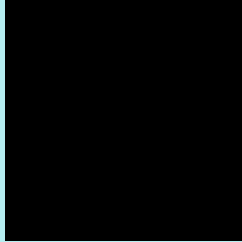
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.6834, 0.2762, 0.3255

Background



This preview shows how black text looks on a background with the Yxy color 76.6834, 0.2762, 0.3255.

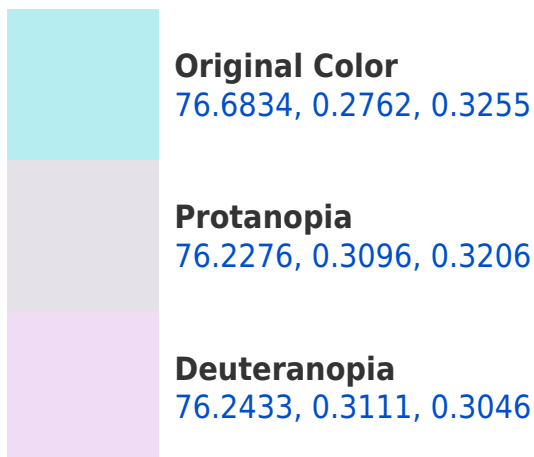


This preview shows how white text looks on a background with the Yxy color 76.6834, 0.2762, 0.3255.

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

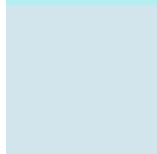
76.7628, 0.2704, 0.3081

Trichromacy



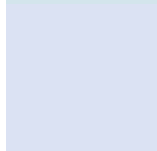
Original Color

76.6834, 0.2762, 0.3255



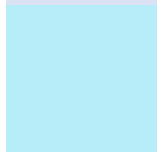
Protanomaly

75.9436, 0.2963, 0.3214



Deuteranomaly

75.9238, 0.2973, 0.3110



Tritanomaly

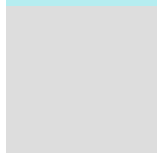
76.8977, 0.2725, 0.3145

Monochromacy



Original Color

76.6834, 0.2762, 0.3255



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

73.6614, 0.2979, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6834, 0.2762, 0.3255 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(181, 237, 240)` looks like.

```
.text, #text, p{  
    color:rgb(181, 237, 240)  
}
```

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(181, 237, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 237, 240) }
```

Border

The CSS property to change the border of an element to Yxy 76.6834, 0.2762, 0.3255 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(181, 237, 240) }
```

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

```
.border{ border-color:rgb(181, 237, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 237, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 237, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 237, 240);  
box-shadow:4px 4px 4px 4px rgb(181, 237,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6834, 0.2762, 0.3255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 237, 240) }
```

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

```
.background{ background-color: rgb(181,  
237, 240) }
```

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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