

Converting Colors

$Yxy(76.5482, 0.2803, 0.3254)$

Have a look what the booklet for
Yxy(76.5482, 0.2803, 0.3254)
contains.

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Color

Yxy(76.7877, 0.2801, 0.3256)

Conversions

Conversions Part 1

Format	Color
Hex	BBECEF
RGB	187, 236, 239
RGB Percent	73%, 93%, 94%
CMY	0.2669, 0.0744, 0.0628
CMYK	0.22, 0.01, 0.00, 0.06
HSL	183°, 62%, 84%
HSV	183°, 22%, 94%
XYZ	66.0572, 76.7877, 92.9895
YIQ	221.6910, -30.1670, -9.4550

Conversions

Conversions Part 2

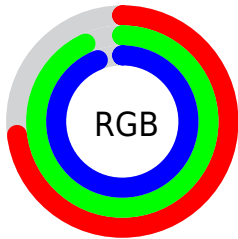
Format	Color
R _Y B	187, 212, 239
Decimal	12315887
CIE Lab	90.22, -14.97, -6.61
CIE LCh	90, 16.363, 203.818
Yxy	76.7877, 0.2801, 0.3256
Android (android.graphics.Color)	4290505967 (0xFFBBECEF)
YUV	221.6910, 8.5333, -30.4240
Hunter-Lab	87.6286, -18.7910, -1.5772

Details

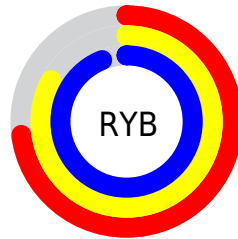
The Yxy color **76.7877, 0.2801, 0.3256** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.7246, 0.3563, 0.3324**, and the grayscale version is **72.7669, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **41.0480, 0.2731, 0.3245** is the 20% darker color. If you saturate the color by 10%, you get **73.2423, 0.2666, 0.3239**, and if you desaturate by 10%, it is **80.8469, 0.2946, 0.3272**.

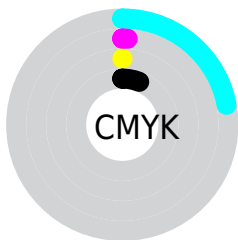
Distribution



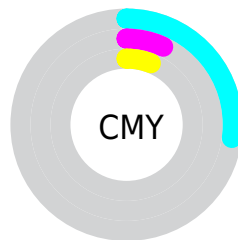
- Red (73%)
- Green (93%)
- Blue (94%)



- Red (73%)
- Yellow (83%)
- Blue (94%)



- Cyan (22%)
- Magenta (1%)
- Yellow (0%)
- Black (6%)




- Cyan (27%)
- Magenta (7%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.7877, 0.2801, 0.3256 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 76.7877, 0.2801, 0.3256 by changing the saturation by 10% instead.


 76.7877, 0.2801,
0.3256

 76.7877, 0.2801,
0.3256


484.0399, 0.2949,
0.3274

 57.0786, 0.2768,
0.3252

 128.8398, 0.2852,
0.3262

 41.0684, 0.2727,
0.3246


161.9515, 0.2872,
0.3265

 28.3725, 0.2676,
0.3238


200.2997, 0.2889,
0.3267

 18.6067, 0.2610,
0.3228

244.2686, 0.2904,
0.3269

 11.3864, 0.2522,
0.3213

294.2427, 0.2917,
0.3270

 6.3274, 0.2399,
0.3190

350.6064, 0.2929,

 3.0451, 0.2213,

0.3271

413.7440, 0.2940,
0.3273

0.3150

1.1553, 0.1889,
0.3073

0.0248, 0.0000,
0.0482

76.7877, 0.2801,
0.3256

76.7877, 0.2801,
0.3256

73.2423, 0.2666,
0.3239

80.8469, 0.2946,
0.3272

70.1764, 0.2546,
0.3220

85.4336, 0.3099,
0.3287

67.5663, 0.2441,
0.3201

89.8748, 0.3233,
0.3301

65.3823, 0.2355,
0.3182

90.6809, 0.3232,
0.3315

63.5914, 0.2287,
0.3162

91.4931, 0.3230,
0.3328

62.1553, 0.2240,
0.3143

92.3113, 0.3229,
0.3341

61.0284, 0.2210,
0.3124

93.1356, 0.3228,
0.3354

60.2737, 0.2197,
0.3108

93.9659, 0.3227,
0.3367

94.8024, 0.3226,
0.3380

Harmonies

Analogous

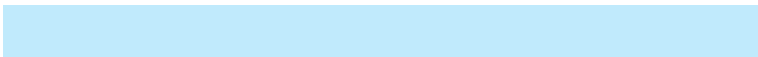
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.7877, 0.2930, 0.3436



76.7877, 0.2801, 0.3256



76.7877, 0.2757, 0.3093

Triad

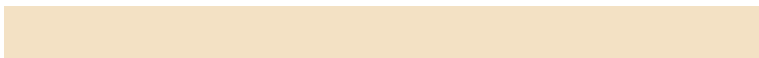
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.7877, 0.2801, 0.3256



76.7877, 0.3132, 0.3025



76.7877, 0.3452, 0.3590

Complementary

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



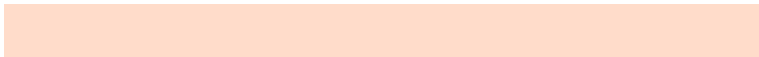
76.7877, 0.2801, 0.3256



58.7246, 0.3563, 0.3324

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.



76.7877, 0.3511, 0.3470



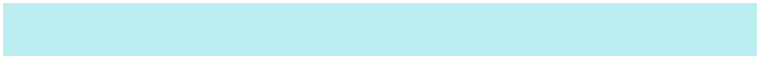
76.7877, 0.2801, 0.3256



76.7877, 0.3323, 0.3149

Square

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



76.7877, 0.2801, 0.3256



76.7877, 0.2944, 0.2967



76.7877, 0.3464, 0.3309



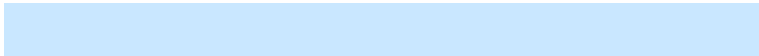
76.7877, 0.3305, 0.3632

Rectangle

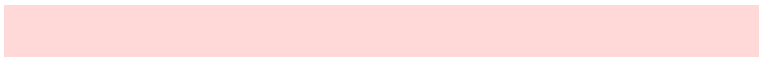
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



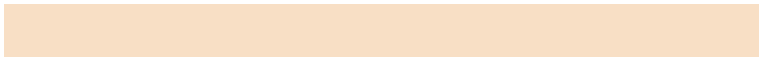
76.7877, 0.2801, 0.3256



76.7877, 0.2781, 0.3015



76.7877, 0.3464, 0.3309



76.7877, 0.3483, 0.3557

Sweetspot

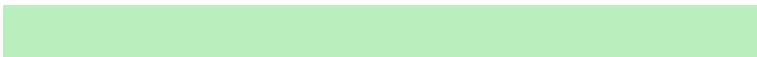
The Sweet Spot groups the original color and five complimentary colors.



76.7908, 0.2801, 0.3256



96.1225, 0.3018, 0.3280



75.9814, 0.3083, 0.3867



20.5057, 0.3009, 0.3279



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.



76.7908, 0.2801, 0.3256



87.1313, 0.2741, 0.3249



63.0632, 0.2780, 0.2961



17.7654, 0.2981, 0.3276



33.3801, 0.2198, 0.3111



2.8236, 0.2205, 0.3136

Inverse Universe

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



59.9241, 0.3175, 0.2778



64.5051, 0.3185, 0.2675



70.8252, 0.3505, 0.3598



16.0149, 0.3147, 0.3070



13.1631, 0.3357, 0.1623



1.0998, 0.3336, 0.1611

Previews

White Background



This preview shows how the Yxy color 76.7877, 0.2801, 0.3256 looks on a white background.

Color Contrast Check

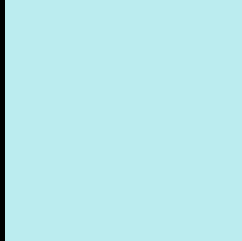
Large Text (above 18pt) WCAG AA × Fail

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 76.7877, 0.2801, 0.3256 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

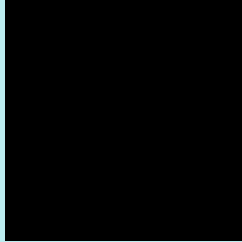
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.7877, 0.2801, 0.3256

Background



This preview shows how black text looks on a background with the Yxy color 76.7877, 0.2801, 0.3256.

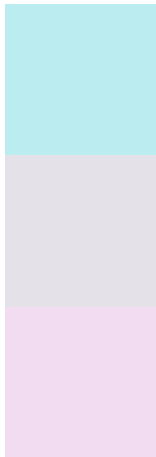


This preview shows how white text looks on a background with the Yxy color 76.7877, 0.2801, 0.3256.

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

76.7877, 0.2801, 0.3256

Protanopia

76.3916, 0.3103, 0.3206

Deuteranopia

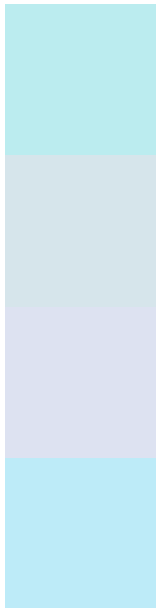
76.2980, 0.3131, 0.3066



Tritanopia

76.8846, 0.2742, 0.3082

Trichromacy



Original Color

76.7877, 0.2801, 0.3256

Protanomaly

76.3329, 0.2989, 0.3225

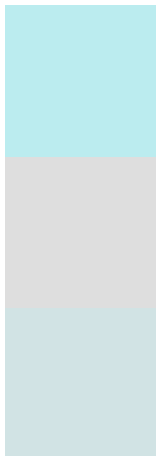
Deuteranomaly

76.1157, 0.2999, 0.3131

Tritanomaly

77.0128, 0.2763, 0.3146

Monochromacy



Original Color

76.7877, 0.2801, 0.3256

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

74.0949, 0.2999, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7877, 0.2801, 0.3256 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(187, 236, 239)` looks like.

```
.text, #text, p{  
    color:rgb(187, 236, 239)  
}
```

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(187, 236, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 236, 239) }
```

Border

The CSS property to change the border of an element to Yxy 76.7877, 0.2801, 0.3256 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(187, 236, 239) }
```

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

```
.border{ border-color:rgb(187, 236, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 236, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 236, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 236, 239);  
box-shadow:4px 4px 4px 4px rgb(187, 236,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7877, 0.2801, 0.3256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 236, 239) }
```

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

```
.background{ background-color: rgb(187,  
236, 239) }
```

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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