

Converting Colors

$Yxy(77.0349, 0.2895, 0.3439)$

Have a look what the booklet for
Yxy(77.0349, 0.2895, 0.3439)
contains.

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Color

Yxy(76.7690, 0.2897, 0.3436)

Conversions

Conversions Part 1

Format	Color
Hex	BDEDE0
RGB	189, 237, 224
RGB Percent	74%, 93%, 88%
CMY	0.2588, 0.0706, 0.1215
CMYK	0.20, 0.00, 0.05, 0.07
HSL	164°, 57%, 84%
HSV	164°, 20%, 93%
XYZ	64.7264, 76.7690, 81.9301
YIQ	221.1660, -24.4350, -14.2190

Conversions

Conversions Part 2

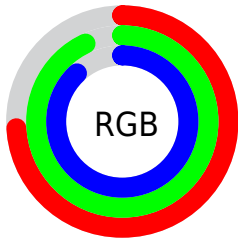
Format	Color
RYB	189, 217, 237
Decimal	12447200
CIELab	90.22, -17.93, 1.22
CIELCh	90, 17.969, 176.110
Yxy	76.7690, 0.2897, 0.3436
Android (android.graphics.Color)	4290637280 (0xFFBDEDE0)
YUV	221.1660, 1.3972, -28.2096
Hunter-Lab	87.6179, -21.4673, 5.8914

Details

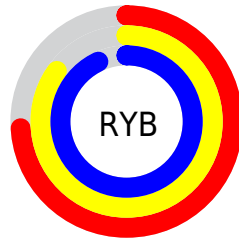
The Yxy color **76.7690, 0.2897, 0.3436** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.6680, 0.3424, 0.3149**, and the grayscale version is **72.4346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **41.0632, 0.2844, 0.3467** is the 20% darker color. If you saturate the color by 10%, you get **73.6430, 0.2794, 0.3519**, and if you desaturate by 10%, it is **80.4098, 0.3008, 0.3360**.

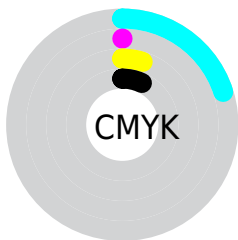
Distribution



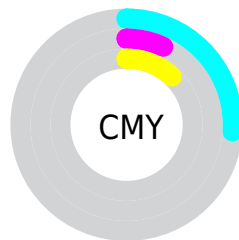
- Red (74%)
- Green (93%)
- Blue (88%)



- Red (74%)
- Yellow (85%)
- Blue (93%)



- Cyan (20%)
- Magenta (0%)
- Yellow (5%)
- Black (7%)





- Cyan (26%)
- Magenta (7%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.7690, 0.2897, 0.3436 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 76.7690, 0.2897, 0.3436 by changing the saturation by 10% instead.


 76.7690, 0.2897,
0.3436

 76.7690, 0.2897,
0.3436


483.9761, 0.3003,
0.3369

 57.0633, 0.2873,
0.3451


 128.8134, 0.2933,
0.3413

 41.0561, 0.2844,
0.3470


161.9208, 0.2948,
0.3404

 28.3629, 0.2806,
0.3494


200.2643, 0.2960,
0.3396

 18.5994, 0.2758,
0.3525

244.2282, 0.2971,
0.3389

 11.3812, 0.2693,
0.3568

294.1969, 0.2980,
0.3383

 6.3238, 0.2599,
0.3629

350.5549, 0.2988,

 3.0430, 0.2455,

0.3378

413.6865, 0.2996,
0.3373

0.3724

1.1542, 0.2161,
0.3914

0.0238, 0.0000,
1.0000

76.7690, 0.2897,
0.3436

76.7690, 0.2897,
0.3436

73.6430, 0.2794,
0.3519

80.4098, 0.3008,
0.3360

70.9980, 0.2701,
0.3608

84.5783, 0.3124,
0.3292

68.8110, 0.2622,
0.3702

88.3171, 0.3208,
0.3229

67.0535, 0.2560,
0.3801

88.7123, 0.3168,
0.3168

■ 65.6932, 0.2516,
0.3903

■ 89.0503, 0.3135,
0.3117

■ 64.6938, 0.2493,
0.4006

■ 64.0115, 0.2489,
0.4109

■ 63.5805, 0.2502,
0.4207

Harmonies

Analogous

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



76.7690, 0.3095, 0.3597



76.7690, 0.2897, 0.3436



76.7690, 0.2762, 0.3237

Triad

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



76.7690, 0.2897, 0.3436



76.7690, 0.2940, 0.2938



76.7690, 0.3549, 0.3499

Complementary

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



76.7690, 0.2897, 0.3436



58.6680, 0.3424, 0.3149

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.



76.7690, 0.3505, 0.3324



76.7690, 0.2897, 0.3436



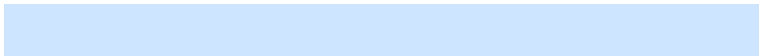
76.7690, 0.3148, 0.3008

Square

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



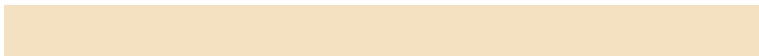
76.7690, 0.2897, 0.3436



76.7690, 0.2786, 0.2955



76.7690, 0.3357, 0.3147



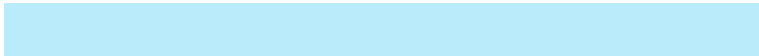
76.7690, 0.3475, 0.3627

Rectangle

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



76.7690, 0.2897, 0.3436



76.7690, 0.2725, 0.3114



76.7690, 0.3357, 0.3147



76.7690, 0.3547, 0.3444

Sweetspot

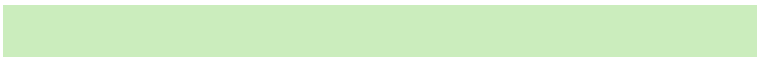
The Sweet Spot groups the original color and five complimentary colors.



76.7722, 0.2897, 0.3436



96.9488, 0.3057, 0.3330



76.8860, 0.3192, 0.3835



20.6829, 0.3049, 0.3335



0.0000, 0.0000, 0.0000



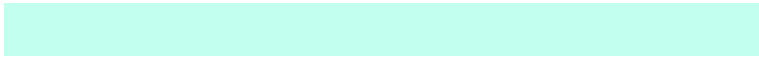
21.4041, 0.3127, 0.3290

Same Dimension

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



76.7722, 0.2897, 0.3436



89.1610, 0.2856, 0.3467



71.6563, 0.2817, 0.3172



17.0482, 0.3017, 0.3355



34.7346, 0.2497, 0.4191



2.7434, 0.2458, 0.4050

Inverse Universe

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



58.6680, 0.3424, 0.3149



64.4264, 0.3496, 0.3121



62.7137, 0.3509, 0.3405



15.1211, 0.3250, 0.3226



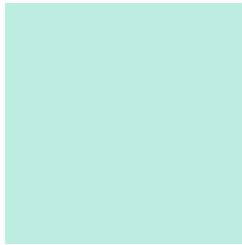
10.0518, 0.5859, 0.3001



0.8050, 0.5466, 0.2785

Previews

White Background



This preview shows how the Yxy color 76.7690, 0.2897, 0.3436 looks on a white background.

Color Contrast Check

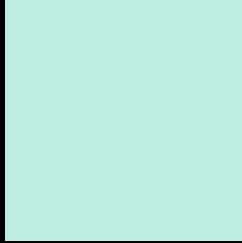
Large Text (above 18pt) WCAG AA × Fail

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 76.7690, 0.2897, 0.3436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

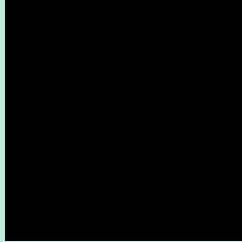
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

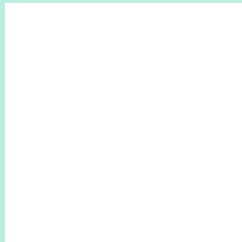
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.7690, 0.2897, 0.3436

Background



This preview shows how black text looks on a background with the Yxy color 76.7690, 0.2897, 0.3436.

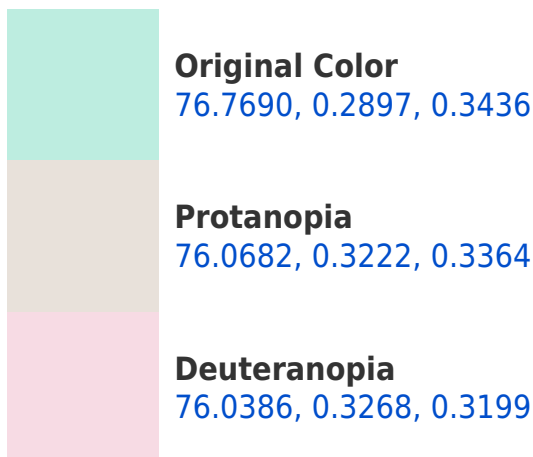


This preview shows how white text looks on a background with the Yxy color 76.7690, 0.2897, 0.3436.

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

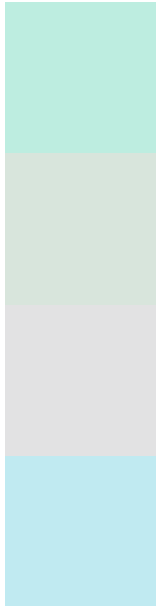




Tritanopia

76.7122, 0.2775, 0.3094

Trichromacy



Original Color

76.7690, 0.2897, 0.3436

Protanomaly

75.8049, 0.3095, 0.3388

Deuteranomaly

76.1075, 0.3121, 0.3279

Tritanomaly

76.4030, 0.2818, 0.3212

Monochromacy



Original Color

76.7690, 0.2897, 0.3436

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

73.7674, 0.3036, 0.3345

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7690, 0.2897, 0.3436 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(189, 237, 224)` looks like.

```
.text, #text, p{  
    color:rgb(189, 237, 224)  
}
```

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(189, 237, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 237, 224) }
```

Border

The CSS property to change the border of an element to Yxy 76.7690, 0.2897, 0.3436 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(189, 237, 224) }
```

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

```
.border{ border-color:rgb(189, 237, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 237, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 237, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 237, 224);  
box-shadow:4px 4px 4px 4px rgb(189, 237,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7690, 0.2897, 0.3436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 237, 224) }
```

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

```
.background{ background-color: rgb(189,  
237, 224) }
```

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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