

Converting Colors

$Yxy(76.2128, 0.2856, 0.3368)$

Have a look what the booklet for
Yxy(76.2128, 0.2856, 0.3368)
contains.

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Color

Yxy(76.2128, 0.2856, 0.3368)

Conversions

Conversions Part 1

Format	Color
Hex	BBECE5
RGB	187, 236, 229
RGB Percent	73%, 93%, 90%
CMY	0.2668, 0.0745, 0.1019
CMYK	0.21, 0.00, 0.03, 0.07
HSL	171°, 56%, 83%
HSV	171°, 21%, 93%
XYZ	64.6270, 76.2128, 85.4452
YIQ	220.5510, -26.9570, -12.5650

Conversions

Conversions Part 2

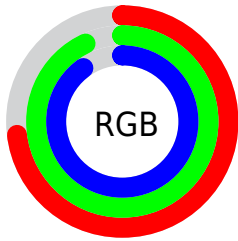
Format	Color
R _Y B	187, 213, 236
Decimal	12315877
CIE Lab	89.96, -17.04, -1.79
CIE LCh	90, 17.138, 185.993
Yxy	76.2128, 0.2856, 0.3368
Android (android.graphics.Color)	4290505957 (0xFFBBECE5)
YUV	220.5510, 4.1654, -29.4242
Hunter-Lab	87.2999, -20.6337, 3.0796

Details

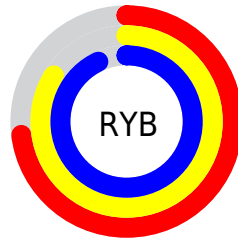
The Yxy color **76.2128, 0.2856, 0.3368** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.2541, 0.3486, 0.3214**, and the grayscale version is **71.9577, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **40.6851, 0.2793, 0.3378** is the 20% darker color. If you saturate the color by 10%, you get **73.2943, 0.2739, 0.3411**, and if you desaturate by 10%, it is **79.6303, 0.2983, 0.3329**.

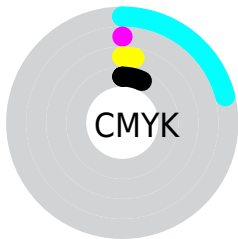
Distribution



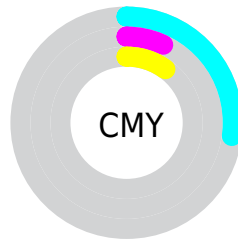
- Red (73%)
- Green (93%)
- Blue (90%)



- Red (73%)
- Yellow (84%)
- Blue (93%)



- Cyan (21%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)





- Cyan (27%)
- Magenta (7%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.2128, 0.2856, 0.3368 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 76.2128, 0.2856, 0.3368 by changing the saturation by 10% instead.


 76.2128, 0.2856,
0.3368

 76.2128, 0.2856,
0.3368


482.0758, 0.2980,
0.3333

 56.6070, 0.2828,
0.3376

 128.0277, 0.2899,
0.3356

 40.6898, 0.2794,
0.3385

161.0055, 0.2915,
0.3351

 28.0768, 0.2750,
0.3397


199.2096, 0.2930,
0.3347

 18.3836, 0.2694,
0.3412

243.0241, 0.2942,
0.3344

 11.2257, 0.2619,
0.3432

292.8337, 0.2953,
0.3341

 6.2189, 0.2511,
0.3460

349.0225, 0.2963,

 2.9786, 0.2346,

0.3338

411.9751, 0.2972,
0.3335

0.3501

1.1206, 0.2022,
0.3586

0.0000, 0.0000,
0.0000

76.2128, 0.2856,
0.3368

76.2128, 0.2856,
0.3368

73.2943, 0.2739,
0.3411

79.6303, 0.2983,
0.3329

70.8416, 0.2634,
0.3456

83.5597, 0.3117,
0.3293


68.8319, 0.2545,
0.3504


87.4960, 0.3235,
0.3260


67.2367, 0.2474,
0.3553

87.6969, 0.3214,
0.3227


 66.0243, 0.2421,
0.3604

 87.9015, 0.3193,
0.3195

 65.1583, 0.2389,
0.3655

 88.1099, 0.3172,
0.3162

 64.5953, 0.2375,
0.3705

 88.3220, 0.3151,
0.3130

 64.2787, 0.2375,
0.3751

 88.4773, 0.3136,
0.3107

Harmonies

Analogous

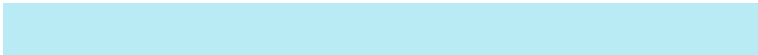
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.2128, 0.3030, 0.3540



76.2128, 0.2856, 0.3368



76.2128, 0.2755, 0.3179

Triad

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



76.2128, 0.2856, 0.3368



76.2128, 0.3010, 0.2967



76.2128, 0.3519, 0.3537

Complementary

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



76.2128, 0.2856, 0.3368



57.2541, 0.3486, 0.3214

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.



76.2128, 0.3515, 0.3380



76.2128, 0.2856, 0.3368



76.2128, 0.3216, 0.3058

Square

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



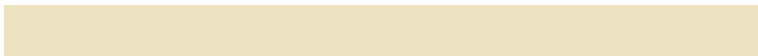
76.2128, 0.2856, 0.3368



76.2128, 0.2841, 0.2955



76.2128, 0.3402, 0.3207



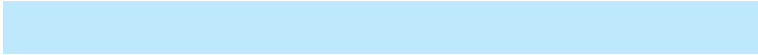
76.2128, 0.3415, 0.3635

Rectangle

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



76.2128, 0.2856, 0.3368



76.2128, 0.2740, 0.3072



76.2128, 0.3402, 0.3207



76.2128, 0.3530, 0.3490

Sweetspot

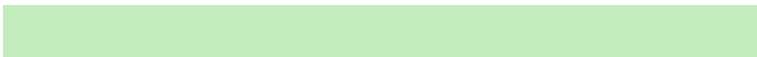
The Sweet Spot groups the original color and five complimentary colors.



76.2159, 0.2856, 0.3368



97.0731, 0.3046, 0.3311



75.0957, 0.3149, 0.3858



20.7124, 0.3037, 0.3313



0.0000, 0.0000, 0.0000



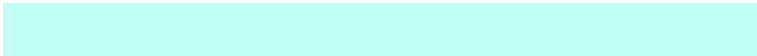
21.4041, 0.3127, 0.3290

Same Dimension

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



76.2159, 0.2856, 0.3368



89.2771, 0.2804, 0.3386



67.1996, 0.2804, 0.3093



17.0828, 0.3000, 0.3324



35.4426, 0.2373, 0.3743



2.7932, 0.2354, 0.3673

Inverse Universe

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



57.2541, 0.3486, 0.3214



62.8168, 0.3583, 0.3197



64.6695, 0.3507, 0.3479



15.0890, 0.3270, 0.3257



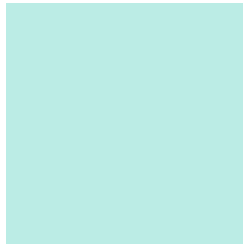
9.9036, 0.6207, 0.3193



0.7886, 0.5879, 0.3012

Previews

White Background



This preview shows how the Yxy color 76.2128, 0.2856, 0.3368 looks on a white background.

Color Contrast Check

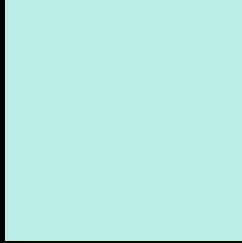
Large Text (above 18pt) WCAG AA × Fail

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 76.2128, 0.2856, 0.3368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

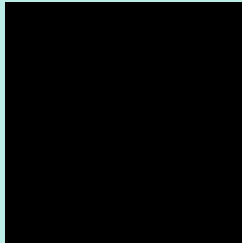
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

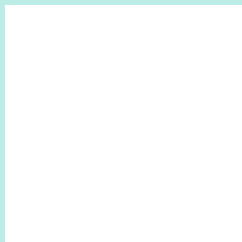
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.2128, 0.2856, 0.3368

Background



This preview shows how black text looks on a background with the Yxy color 76.2128, 0.2856, 0.3368.

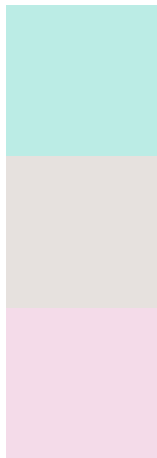


This preview shows how white text looks on a background with the Yxy color 76.2128, 0.2856, 0.3368.

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

76.2128, 0.2856, 0.3368

Protanopia

75.9473, 0.3182, 0.3322

Deuteranopia

75.7793, 0.3213, 0.3147



Tritanopia

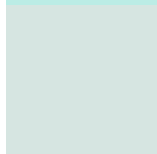
76.3192, 0.2757, 0.3093

Trichromacy



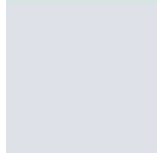
Original Color

76.2128, 0.2856, 0.3368



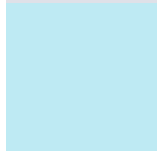
Protanomaly

75.7710, 0.3050, 0.3333



Deuteranomaly

75.3646, 0.3069, 0.3215



Tritanomaly

76.2639, 0.2795, 0.3190

Monochromacy



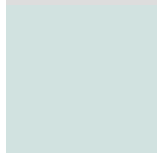
Original Color

76.2128, 0.2856, 0.3368



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

73.3298, 0.3023, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.2128, 0.2856, 0.3368 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, 229)` looks like.

```
.text, #text, p{  
    color:rgb(187, 236, 229)  
}
```

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, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 236, 229) }
```

Border

The CSS property to change the border of an element to Yxy 76.2128, 0.2856, 0.3368 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, 229) }
```

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

```
.border{ border-color:rgb(187, 236, 229) }
```

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, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 236, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 236, 229);  
box-shadow:4px 4px 4px 4px rgb(187, 236,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 76.2128, 0.2856, 0.3368 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, 229) }
```

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

```
.background{ background-color: rgb(187,  
236, 229) }
```

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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