

Converting Colors

$Yxy(77.2406, 0.2851, 0.3363)$

Have a look what the booklet for
Yxy(77.2406, 0.2851, 0.3363)
contains.

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Color

Yxy(77.0293, 0.2852, 0.3356)

Conversions

Conversions Part 1

Format	Color
Hex	<code>BCEDE7</code>
RGB	<code>188, 237, 231</code>
RGB Percent	<code>74%, 93%, 91%</code>
CMY	<code>0.2625, 0.0706, 0.0940</code>
CMYK	<code>0.21, 0.00, 0.03, 0.07</code>
HSL	<code>173°, 58%, 83%</code>
HSV	<code>173°, 21%, 93%</code>
XYZ	<code>65.4611, 77.0293, 87.0367</code>
YIQ	<code>221.6650, -27.2780, -12.2540</code>

Conversions

Conversions Part 2

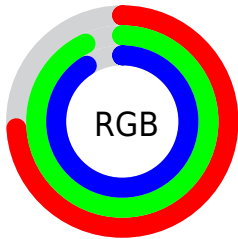
Format	Color
RYB	188, 214, 237
Decimal	12381671
CIELab	90.34, -16.79, -2.28
CIElCh	90, 16.940, 187.727
Yxy	77.0293, 0.2852, 0.3356
Android (android.graphics.Color)	4290571751 (0xFFBCEDE7)
YUV	221.6650, 4.6022, -29.5242
Hunter-Lab	87.7663, -20.4556, 2.6394

Details

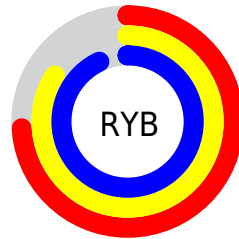
The Yxy color **77.0293, 0.2852, 0.3356** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.8931, 0.3491, 0.3226**, and the grayscale version is **72.7906, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **41.2112, 0.2794, 0.3377** is the 20% darker color. If you saturate the color by 10%, you get **74.1024, 0.2732, 0.3392**, and if you desaturate by 10%, it is **80.4594, 0.2982, 0.3323**.

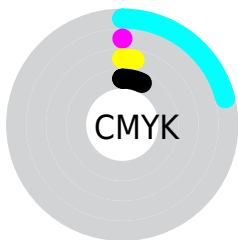
Distribution



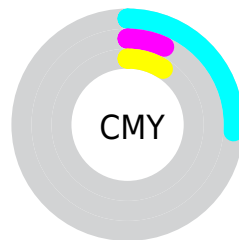
- Red (74%)
- Green (93%)
- Blue (91%)



- Red (74%)
- Yellow (84%)
- Blue (93%)



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





- Cyan (26%)
- Magenta (7%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.0293, 0.2852, 0.3356 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 77.0293, 0.2852, 0.3356 by changing the saturation by 10% instead.


 77.0293, 0.2852,
0.3356

 77.0293, 0.2852,
0.3356

484.8639, 0.2977,
0.3327

 57.2769, 0.2824,
0.3362


 129.1808, 0.2895,
0.3346

 41.2276, 0.2789,
0.3370

162.3488, 0.2912,
0.3342

 28.4970, 0.2746,
0.3380


200.7574, 0.2927,
0.3339

 18.7006, 0.2689,
0.3392

244.7910, 0.2939,
0.3336

 11.4542, 0.2613,
0.3408

294.8341, 0.2951,
0.3333

 6.3732, 0.2506,
0.3430

351.2710, 0.2961,

 3.0733, 0.2342,

0.3331

414.4862, 0.2969,
0.3329

0.3462

1.1701, 0.2039,
0.3521

0.0371, 0.0000,
0.1567

77.0293, 0.2852,
0.3356

77.0293, 0.2852,
0.3356

74.1024, 0.2732,
0.3392

80.4594, 0.2982,
0.3323

71.6453, 0.2626,
0.3431

84.4058, 0.3118,
0.3292

69.6348, 0.2535,
0.3471


88.0949, 0.3231,
0.3264


68.0424, 0.2461,
0.3513


88.2677, 0.3213,
0.3236

 66.8361, 0.2407,
0.3556


 88.4432, 0.3194,
0.3208

 65.9791, 0.2373,
0.3599


 88.6215, 0.3176,
0.3180

 65.4278, 0.2357,
0.3642

 88.8025, 0.3158,
0.3152

 65.1209, 0.2356,
0.3681

 88.9864, 0.3141,
0.3125

 89.0419, 0.3135,
0.3117

Harmonies

Analogous

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



77.0293, 0.3021, 0.3528



77.0293, 0.2852, 0.3356



77.0293, 0.2757, 0.3171

Triad

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



77.0293, 0.2852, 0.3356



77.0293, 0.3023, 0.2975



77.0293, 0.3509, 0.3541

Complementary

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



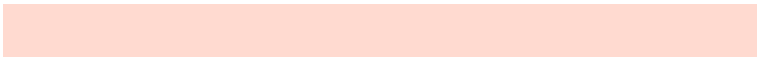
77.0293, 0.2852, 0.3356



57.8931, 0.3491, 0.3226

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.



77.0293, 0.3512, 0.3389



77.0293, 0.2852, 0.3356



77.0293, 0.3226, 0.3069

Square

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



77.0293, 0.2852, 0.3356



77.0293, 0.2853, 0.2958



77.0293, 0.3407, 0.3218



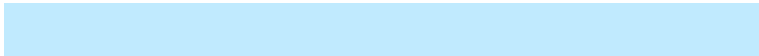
77.0293, 0.3402, 0.3633

Rectangle

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



77.0293, 0.2852, 0.3356



77.0293, 0.2747, 0.3068



77.0293, 0.3407, 0.3218



77.0293, 0.3523, 0.3495

Sweetspot

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



77.0325, 0.2852, 0.3356



97.0933, 0.3044, 0.3308



75.7429, 0.3143, 0.3855



20.7172, 0.3035, 0.3310



0.0000, 0.0000, 0.0000



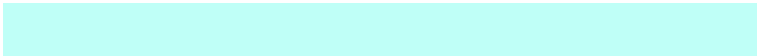
21.4041, 0.3127, 0.3290

Same Dimension

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



77.0325, 0.2852, 0.3356



89.3584, 0.2797, 0.3372



67.5025, 0.2806, 0.3085



17.0884, 0.2997, 0.3319



35.5706, 0.2354, 0.3674



2.8021, 0.2338, 0.3615

Inverse Universe

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



57.8931, 0.3491, 0.3226



62.7552, 0.3594, 0.3211



65.7806, 0.3502, 0.3486



15.0839, 0.3274, 0.3262



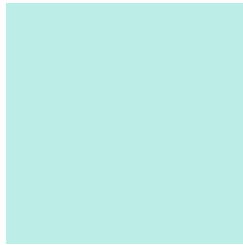
9.8880, 0.6246, 0.3215



0.7862, 0.5948, 0.3050

Previews

White Background



This preview shows how the Yxy color 77.0293, 0.2852, 0.3356 looks on a white background.

Color Contrast Check

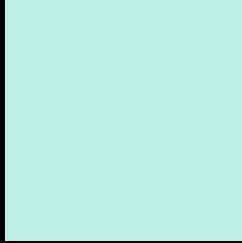
Large Text (above 18pt) WCAG AA × Fail

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 77.0293, 0.2852, 0.3356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

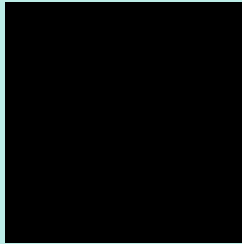
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

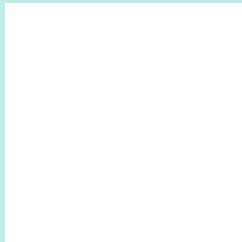
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.0293, 0.2852, 0.3356

Background



This preview shows how black text looks on a background with the Yxy color 77.0293, 0.2852, 0.3356.

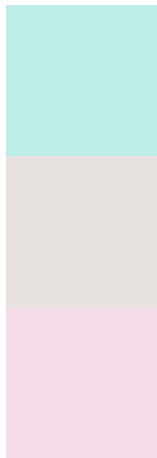


This preview shows how white text looks on a background with the Yxy color 77.0293, 0.2852, 0.3356.

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

77.0293, 0.2852, 0.3356

Protanopia

76.7635, 0.3175, 0.3311

Deuteranopia

76.5970, 0.3205, 0.3138



Tritanopia

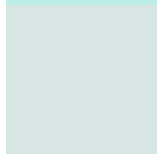
77.0804, 0.2759, 0.3094

Trichromacy



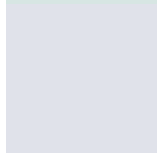
Original Color

77.0293, 0.2852, 0.3356



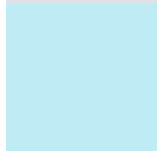
Protanomaly

76.5868, 0.3045, 0.3322



Deuteranomaly

76.1805, 0.3062, 0.3205



Tritanomaly

77.0247, 0.2797, 0.3190

Monochromacy



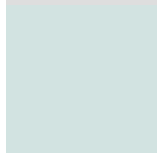
Original Color

77.0293, 0.2852, 0.3356



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

74.0761, 0.3024, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.0293, 0.2852, 0.3356 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(188, 237, 231)` looks like.

```
.text, #text, p{  
    color:rgb(188, 237, 231)  
}
```

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(188, 237, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 237, 231) }
```

Border

The CSS property to change the border of an element to Yxy 77.0293, 0.2852, 0.3356 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(188, 237, 231) }
```

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

```
.border{ border-color:rgb(188, 237, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 237, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 237, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 237, 231);  
box-shadow:4px 4px 4px 4px rgb(188, 237,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 77.0293, 0.2852, 0.3356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 237, 231) }
```

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

```
.background{ background-color: rgb(188,  
237, 231) }
```

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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