

Converting Colors

$Yxy(76.5192, 0.2896, 0.3483)$

Have a look what the booklet for
Yxy(76.5192, 0.2896, 0.3483)
contains.

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Color

Yxy(76.8086, 0.2896, 0.3483)

Conversions

Conversions Part 1

Format	Color
Hex	BAEEDD
RGB	186, 238, 221
RGB Percent	73%, 93%, 87%
CMY	0.2708, 0.0666, 0.1334
CMYK	0.22, 0.00, 0.07, 0.07
HSL	160°, 61%, 83%
HSV	160°, 22%, 93%
XYZ	63.8638, 76.8086, 79.8518
YIQ	220.5140, -25.5350, -16.3110

Conversions

Conversions Part 2

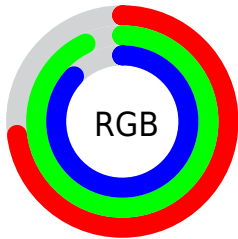
Format	Color
RYB	186, 217, 238
Decimal	12250845
CIELab	90.23, -19.97, 2.80
CIELCh	90, 20.164, 172.013
Yxy	76.8086, 0.2896, 0.3483
Android (android.graphics.Color)	4290440925 (0xFFBAEEDD)
YUV	220.5140, 0.2396, -30.2688
Hunter-Lab	87.6405, -23.2976, 7.3275

Details

The Yxy color **76.8086, 0.2896, 0.3483** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.5883, 0.3429, 0.3106**, and the grayscale version is **71.9542, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **41.1146, 0.2843, 0.3529** is the 20% darker color. If you saturate the color by 10%, you get **73.6703, 0.2800, 0.3585**, and if you desaturate by 10%, it is **80.4690, 0.2999, 0.3390**.

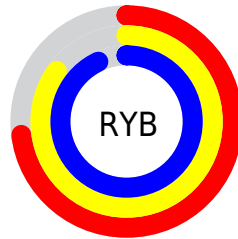
Distribution



Red (73%)

Green (93%)

Blue (87%)



Red (73%)

Yellow (85%)

Blue (93%)

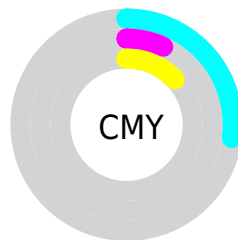


Cyan (22%)

Magenta (0%)

Yellow (7%)

Black (7%)



Cyan (27%)


Magenta (7%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.8086, 0.2896, 0.3483 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 76.8086, 0.2896, 0.3483 by changing the saturation by 10% instead.


 76.8086, 0.2896,
0.3483

 76.8086, 0.2896,
0.3483


484.1112, 0.3002,
0.3394

 57.0958, 0.2872,
0.3503

 128.8693, 0.2933,
0.3452

 41.0822, 0.2842,
0.3529


161.9859, 0.2947,
0.3440

 28.3833, 0.2804,
0.3561


200.3393, 0.2960,
0.3429

 18.6148, 0.2755,
0.3603

244.3138, 0.2970,
0.3420

 11.3923, 0.2689,
0.3661

294.2939, 0.2980,
0.3412

 6.3313, 0.2593,
0.3745

350.6639, 0.2988,

 3.0476, 0.2445,

0.3405

0.3877

413.8082, 0.2996,
0.3399

■ 1.1566, 0.2116,
0.4152

■ 0.0258, 0.0000,
1.0000

■ 76.8086, 0.2896,
0.3483

■ 76.8086, 0.2896,
0.3483

■ 73.6703, 0.2800,
0.3585

■ 80.4690, 0.2999,
0.3390

■ 71.0197, 0.2716,
0.3696

■ 84.6650, 0.3107,
0.3305

■ 68.8331, 0.2644,
0.3813

■ 88.9721, 0.3201,
0.3229

■ 67.0808, 0.2590,
0.3935

■ 89.4562, 0.3152,
0.3154

■ 65.7298, 0.2554,
0.4061

■ 89.6394, 0.3135,
0.3127

■ 64.7419, 0.2539,
0.4188

■ 64.0716, 0.2544,
0.4314

■ 63.7023, 0.2560,
0.4414

Harmonies

Analogous

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



76.8086, 0.3123, 0.3654



76.8086, 0.2896, 0.3483



76.8086, 0.2734, 0.3259

Triad

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



76.8086, 0.2896, 0.3483



76.8086, 0.2889, 0.2894



76.8086, 0.3602, 0.3498

Complementary

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



76.8086, 0.2896, 0.3483



57.5883, 0.3429, 0.3106

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.



76.8086, 0.3536, 0.3299



76.8086, 0.2896, 0.3483



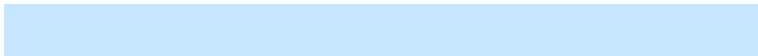
76.8086, 0.3117, 0.2960

Square

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



76.8086, 0.2896, 0.3483



76.8086, 0.2730, 0.2925



76.8086, 0.3355, 0.3106



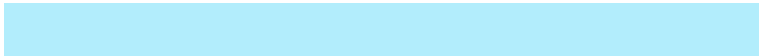
76.8086, 0.3535, 0.3652

Rectangle

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



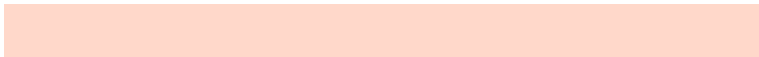
76.8086, 0.2896, 0.3483



76.8086, 0.2682, 0.3117



76.8086, 0.3355, 0.3106



76.8086, 0.3595, 0.3434

Sweetspot

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



76.8118, 0.2896, 0.3483



96.3999, 0.3051, 0.3347



77.4420, 0.3214, 0.3880



20.5703, 0.3044, 0.3353



0.0000, 0.0000, 0.0000



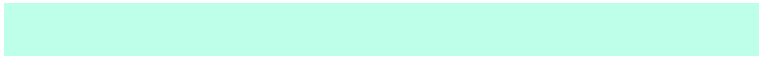
21.4041, 0.3127, 0.3290

Same Dimension

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



76.8118, 0.2896, 0.3483



88.2012, 0.2855, 0.3525



72.8339, 0.2795, 0.3191



17.8359, 0.3024, 0.3368



35.5583, 0.2554, 0.4395



2.9763, 0.2509, 0.4231

Inverse Universe

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



57.5883, 0.3429, 0.3106



62.1990, 0.3505, 0.3068



60.5871, 0.3552, 0.3386



15.8441, 0.3242, 0.3213



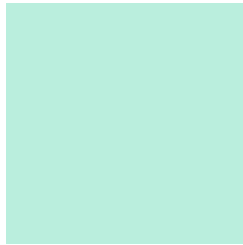
10.4680, 0.5663, 0.2893



0.8885, 0.5292, 0.2689

Previews

White Background



This preview shows how the Yxy color 76.8086, 0.2896, 0.3483 looks on a white background.

Color Contrast Check

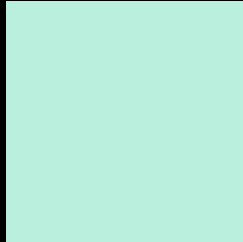
Large Text (above 18pt) WCAG AA × Fail

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 76.8086, 0.2896, 0.3483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

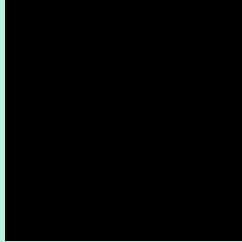
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

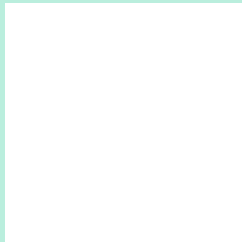
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.8086, 0.2896, 0.3483

Background



This preview shows how black text looks on a background with the Yxy color 76.8086, 0.2896, 0.3483.

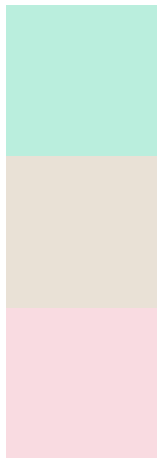


This preview shows how white text looks on a background with the Yxy color 76.8086, 0.2896, 0.3483.

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

76.8086, 0.2896, 0.3483

Protanopia

76.0291, 0.3256, 0.3407

Deuteranopia

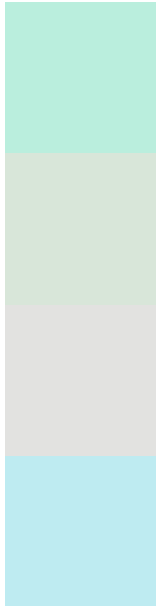
76.2390, 0.3304, 0.3230



Tritanopia

76.5126, 0.2758, 0.3082

Trichromacy



Original Color

76.8086, 0.2896, 0.3483

Protanomaly

76.2023, 0.3114, 0.3432

Deuteranomaly

75.9433, 0.3140, 0.3311

Tritanomaly

76.7147, 0.2807, 0.3223

Monochromacy



Original Color

76.8086, 0.2896, 0.3483

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

73.5685, 0.3035, 0.3356

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.8086, 0.2896, 0.3483 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(186, 238, 221)` looks like.

```
.text, #text, p{  
    color:rgb(186, 238, 221)  
}
```

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(186, 238, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 238, 221) }
```

Border

The CSS property to change the border of an element to Yxy 76.8086, 0.2896, 0.3483 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(186, 238, 221) }
```

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

```
.border{ border-color:rgb(186, 238, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 238, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 238, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 238, 221);  
box-shadow:4px 4px 4px 4px rgb(186, 238,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8086, 0.2896, 0.3483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 238, 221) }
```

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

```
.background{ background-color: rgb(186,  
238, 221) }
```

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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