

Converting Colors

$Yxy(76.3984, 0.2843, 0.3403)$

Have a look what the booklet for
Yxy(76.3984, 0.2843, 0.3403)
contains.

Yxy(76.1817, 0.2844, 0.3403)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.1817, 0.2844, 0.3403)

Conversions

Conversions Part 1

Format	Color
Hex	B7EDE3
RGB	183, 237, 227
RGB Percent	72%, 93%, 89%
CMY	0.2826, 0.0705, 0.1098
CMYK	0.23, 0.00, 0.04, 0.07
HSL	169°, 60%, 82%
HSV	169°, 23%, 93%
XYZ	63.6676, 76.1817, 84.0170
YIQ	219.7140, -28.9740, -14.5580

Conversions

Conversions Part 2

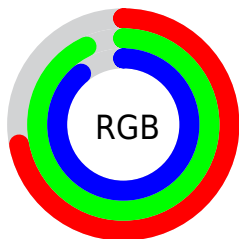
Format	Color
RYB	183, 213, 237
Decimal	12053987
CIELab	89.94, -19.17, -0.78
CIELCh	90, 19.184, 182.332
Yxy	76.1817, 0.2844, 0.3403
Android (android.graphics.Color)	4290244067 (0xFFB7EDE3)
YUV	219.7140, 3.5920, -32.1982
Hunter-Lab	87.2821, -22.5377, 4.0255

Details

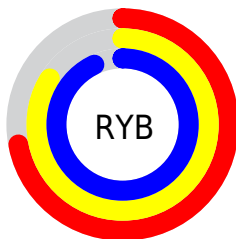
The Yxy color **76.1817, 0.2844, 0.3403** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **55.7023, 0.3510, 0.3181**, and the grayscale version is **71.3449, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2653, 0.3035, 0.3290**, and **40.6934, 0.2778, 0.3424** is the 20% darker color. If you saturate the color by 10%, you get **73.2805, 0.2734, 0.3460**, and if you desaturate by 10%, it is **79.5846, 0.2964, 0.3351**.

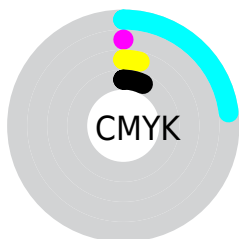
Distribution



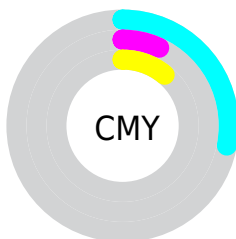
- Red (72%)
- Green (93%)
- Blue (89%)



- Red (72%)
- Yellow (84%)
- Blue (93%)



- Cyan (23%)
- Magenta (0%)
- Yellow (4%)
- Black (7%)





- Cyan (28%)
- Magenta (7%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.1817, 0.2844, 0.3403 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 76.1817, 0.2844, 0.3403 by changing the saturation by 10% instead.

 76.1817, 0.2844,
0.3403

 76.1817, 0.2844,
0.3403

481.9695, 0.2974,
0.3352

 56.5815, 0.2815,
0.3415


 127.9837, 0.2889,
0.3385

 40.6693, 0.2779,
0.3429


160.9543, 0.2906,
0.3378

 28.0608, 0.2733,
0.3446


199.1506, 0.2921,
0.3372

 18.3715, 0.2674,
0.3469

242.9568, 0.2934,
0.3367

 11.2170, 0.2595,
0.3500

292.7574, 0.2946,
0.3363

 6.2130, 0.2482,
0.3544

348.9368, 0.2956,

 2.9750, 0.2309,

0.3359

0.3610

411.8793, 0.2965,
0.3355

■ 1.1187, 0.1941,
0.3754

■ 0.0000, 0.0000,
0.0000

■ 76.1817, 0.2844,
0.3403

■ 76.1817, 0.2844,
0.3403

■ 73.2805, 0.2734,
0.3460

■ 79.5846, 0.2964,
0.3351

■ 70.8472, 0.2636,
0.3520


■ 83.5028, 0.3091,
0.3303

■ 68.8581, 0.2554,
0.3584


■ 87.9607, 0.3221,
0.3259


■ 67.2841, 0.2489,
0.3650


■ 88.4042, 0.3200,
0.3217


 66.0920, 0.2444,
0.3717


 88.6752, 0.3173,
0.3175

 65.2440, 0.2419,
0.3785

 88.9525, 0.3145,
0.3133

 64.6941, 0.2412,
0.3853

 89.0580, 0.3135,
0.3117

 64.4320, 0.2417,
0.3900

Harmonies

Analogous

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



76.1817, 0.3045, 0.3590



76.1817, 0.2844, 0.3403



76.1817, 0.2720, 0.3189

Triad

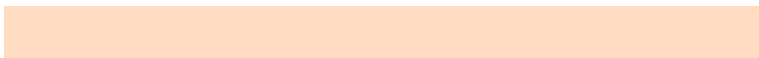
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.1817, 0.2844, 0.3403



76.1817, 0.2970, 0.2923



76.1817, 0.3572, 0.3547

Complementary

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



76.1817, 0.2844, 0.3403



55.7023, 0.3510, 0.3181

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.



76.1817, 0.3552, 0.3366



76.1817, 0.2844, 0.3403



76.1817, 0.3198, 0.3015

Square

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



76.1817, 0.2844, 0.3403



76.1817, 0.2790, 0.2920



76.1817, 0.3413, 0.3174



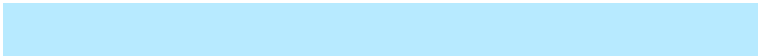
76.1817, 0.3468, 0.3668

Rectangle

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



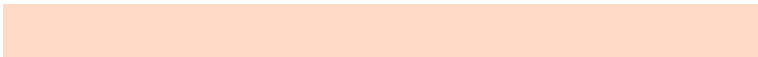
76.1817, 0.2844, 0.3403



76.1817, 0.2694, 0.3065



76.1817, 0.3413, 0.3174



76.1817, 0.3580, 0.3491

Sweetspot

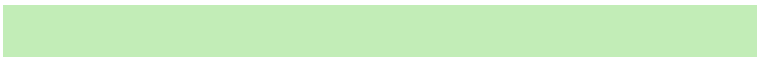
The Sweet Spot groups the original color and five complimentary colors.



76.1848, 0.2844, 0.3403



96.5591, 0.3037, 0.3322



75.4327, 0.3169, 0.3917



20.6072, 0.3029, 0.3325



0.0000, 0.0000, 0.0000



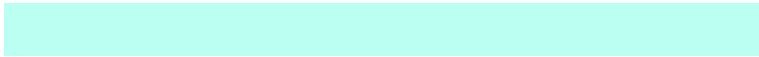
21.4041, 0.3127, 0.3290

Same Dimension

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



76.1848, 0.2844, 0.3403



88.4030, 0.2795, 0.3427



67.7819, 0.2775, 0.3103



17.0712, 0.3006, 0.3334



35.1901, 0.2414, 0.3889



2.7757, 0.2388, 0.3796

Inverse Universe

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



55.7023, 0.3510, 0.3181



60.5605, 0.3606, 0.3159



62.3490, 0.3557, 0.3469



15.0997, 0.3264, 0.3247



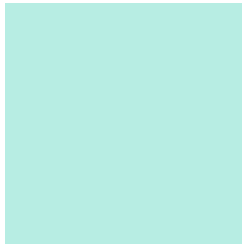
9.9428, 0.6109, 0.3139



0.7936, 0.5743, 0.2937

Previews

White Background



This preview shows how the Yxy color 76.1817, 0.2844, 0.3403 looks on a white background.

Color Contrast Check

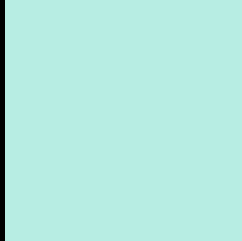
Large Text (above 18pt) WCAG AA × Fail

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 76.1817, 0.2844, 0.3403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

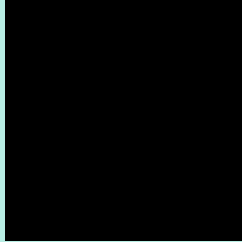
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

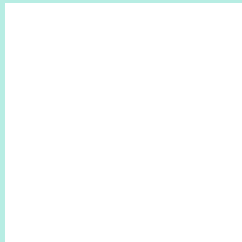
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.1817, 0.2844, 0.3403

Background



This preview shows how black text looks on a background with the Yxy color 76.1817, 0.2844, 0.3403.

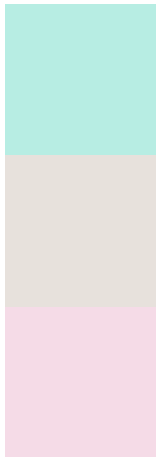


This preview shows how white text looks on a background with the Yxy color 76.1817, 0.2844, 0.3403.

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

76.1817, 0.2844, 0.3403

Protanopia

76.0067, 0.3202, 0.3343

Deuteranopia

75.8450, 0.3233, 0.3168



Tritanopia

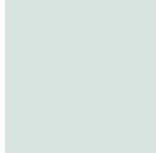
75.9975, 0.2735, 0.3081

Trichromacy



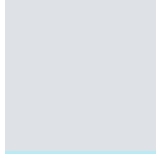
Original Color

76.1817, 0.2844, 0.3403



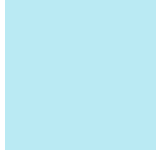
Protanomaly

75.6625, 0.3063, 0.3355



Deuteranomaly

75.6355, 0.3074, 0.3247



Tritanomaly

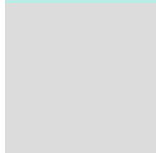
75.7558, 0.2772, 0.3189

Monochromacy



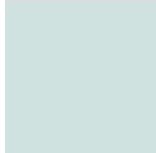
Original Color

76.1817, 0.2844, 0.3403



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

72.9858, 0.3016, 0.3323

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.1817, 0.2844, 0.3403 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(183, 237, 227)` looks like.

```
.text, #text, p{  
    color:rgb(183, 237, 227)  
}
```

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(183, 237, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 237, 227) }
```

Border

The CSS property to change the border of an element to Yxy 76.1817, 0.2844, 0.3403 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(183, 237, 227) }
```

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

```
.border{ border-color:rgb(183, 237, 227) }
```

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

Here you see how a box with a 4 pixel rgb(183, 237, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 237, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 237, 227);  
box-shadow:4px 4px 4px 4px rgb(183, 237,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 76.1817, 0.2844, 0.3403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 237, 227) }
```

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

```
.background{ background-color: rgb(183,  
237, 227) }
```

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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