

Converting Colors

Yxy(76.9437, 0.2842, 0.3318)

Have a look what the booklet for
Yxy(76.9437, 0.2842, 0.3318)
contains.

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Color

Yxy(76.7502, 0.2840, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	BDECEA
RGB	189, 236, 234
RGB Percent	74%, 93%, 92%
CMY	0.2589, 0.0745, 0.0822
CMYK	0.20, 0.00, 0.01, 0.07
HSL	178°, 55%, 83%
HSV	178°, 20%, 93%
XYZ	65.8322, 76.7502, 89.2212
YIQ	221.7190, -27.3700, -10.5860

Conversions

Conversions Part 2

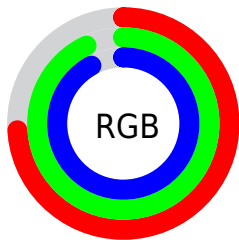
Format	Color
R _{YB}	189, 213, 236
Decimal	12446954
CIE _{Lab}	90.21, -15.40, -4.04
CIE _{LCh}	90, 15.920, 194.699
Y _{xy}	76.7502, 0.2840, 0.3311
Android (android.graphics.Color)	4290637034 (0xFFBDECEA)
YUV	221.7190, 6.0545, -28.6946
Hunter-Lab	87.6072, -19.1791, 0.9427

Details

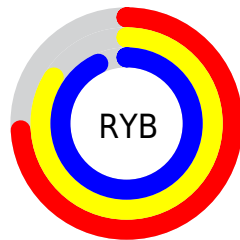
The Yxy color **76.7502, 0.2840, 0.3311** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.9747, 0.3507, 0.3270**, and the grayscale version is **72.8090, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **41.0078, 0.2779, 0.3318** is the 20% darker color. If you saturate the color by 10%, you get **73.9210, 0.2711, 0.3323**, and if you desaturate by 10%, it is **80.0771, 0.2980, 0.3300**.

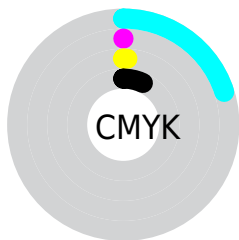
Distribution



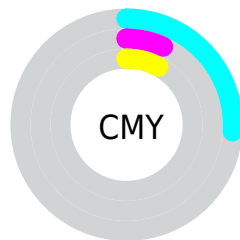
- Red (74%)
- Green (93%)
- Blue (92%)



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



- Cyan (20%)
- Magenta (0%)
- Yellow (1%)
- Black (7%)




- Cyan (26%)
- Magenta (7%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.7502, 0.2840, 0.3311 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 76.7502, 0.2840, 0.3311 by changing the saturation by 10% instead.

 76.7502, 0.2840,
0.3311

 76.7502, 0.2840,
0.3311


483.9119, 0.2971,
0.3303

 57.0479, 0.2811,
0.3313


 128.7868, 0.2885,
0.3308

 41.0437, 0.2775,
0.3314


161.8899, 0.2903,
0.3307

 28.3532, 0.2729,
0.3316


200.2286, 0.2918,
0.3306

 18.5921, 0.2671,
0.3319

244.1875, 0.2931,
0.3305

 11.3759, 0.2592,
0.3321

294.1509, 0.2943,
0.3305

 6.3203, 0.2481,
0.3323

350.5031, 0.2953,

 3.0408, 0.2312,

0.3304

413.6287, 0.2962,
0.3303

0.3322

1.1531, 0.2009,
0.3319

0.0229, 0.0000,
0.0692

76.7502, 0.2840,
0.3311

76.7502, 0.2840,
0.3311

73.9210, 0.2711,
0.3323

80.0771, 0.2980,
0.3300

71.5563, 0.2596,
0.3336

83.9143, 0.3128,
0.3290

69.6335, 0.2497,
0.3349

87.3694, 0.3249,
0.3281

68.1245, 0.2417,
0.3362

87.4271, 0.3243,
0.3271

■ 66.9980, 0.2356,
0.3376

■ 87.4850, 0.3236,
0.3261

■ 66.2179, 0.2315,
0.3390

■ 87.5433, 0.3230,
0.3252

■ 65.7417, 0.2291,
0.3404

■ 87.6019, 0.3224,
0.3242

■ 65.4972, 0.2283,
0.3417

■ 87.6608, 0.3218,
0.3233

■ 65.4958, 0.2283,
0.3417

■ 87.7200, 0.3211,
0.3223

Harmonies

Analogous

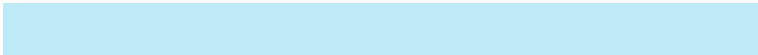
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.7502, 0.2986, 0.3480



76.7502, 0.2840, 0.3311



76.7502, 0.2770, 0.3142

Triad

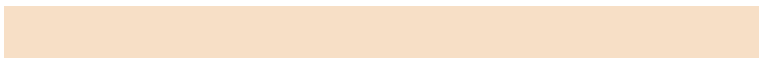
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.7502, 0.2840, 0.3311



76.7502, 0.3073, 0.3007



76.7502, 0.3471, 0.3554

Complementary

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



76.7502, 0.2840, 0.3311



57.9747, 0.3507, 0.3270

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.



76.7502, 0.3498, 0.3420



76.7502, 0.2840, 0.3311



76.7502, 0.3264, 0.3111

Square

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



76.7502, 0.2840, 0.3311



76.7502, 0.2902, 0.2973



76.7502, 0.3421, 0.3259



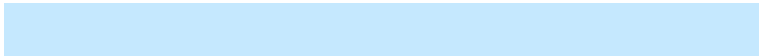
76.7502, 0.3351, 0.3620

Rectangle

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



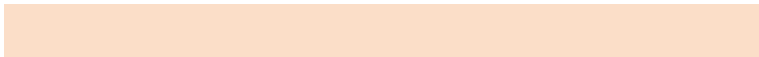
76.7502, 0.2840, 0.3311



76.7502, 0.2775, 0.3053



76.7502, 0.3421, 0.3259



76.7502, 0.3492, 0.3515

Sweetspot

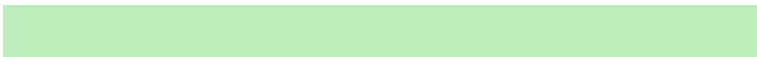
The Sweet Spot groups the original color and five complimentary colors.



76.7534, 0.2840, 0.3311



97.1718, 0.3037, 0.3296



74.7861, 0.3117, 0.3837



20.7358, 0.3027, 0.3297



0.0000, 0.0000, 0.0000



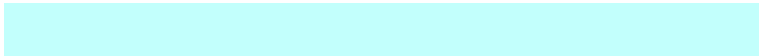
21.4041, 0.3127, 0.3290

Same Dimension

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



76.7534, 0.2840, 0.3311



90.0198, 0.2785, 0.3316



65.3911, 0.2814, 0.3048



17.1104, 0.2987, 0.3300



36.1049, 0.2282, 0.3415



2.8385, 0.2277, 0.3396

Inverse Universe

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



57.9747, 0.3507, 0.3270



63.7561, 0.3610, 0.3265



67.6676, 0.3479, 0.3521



15.0642, 0.3286, 0.3281



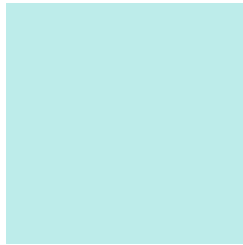
9.8463, 0.6356, 0.3275



0.7768, 0.6236, 0.3209

Previews

White Background



This preview shows how the Yxy color 76.7502, 0.2840, 0.3311 looks on a white background.

Color Contrast Check

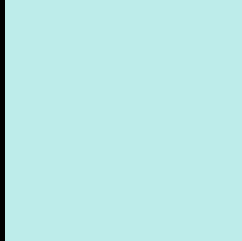
Large Text (above 18pt) WCAG AA × Fail

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 76.7502, 0.2840, 0.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

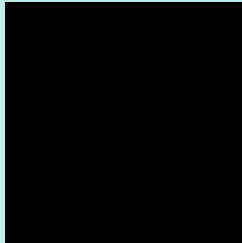
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

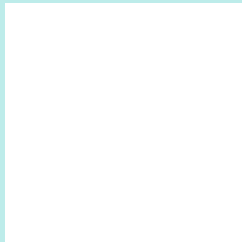
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.7502, 0.2840, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 76.7502, 0.2840, 0.3311.

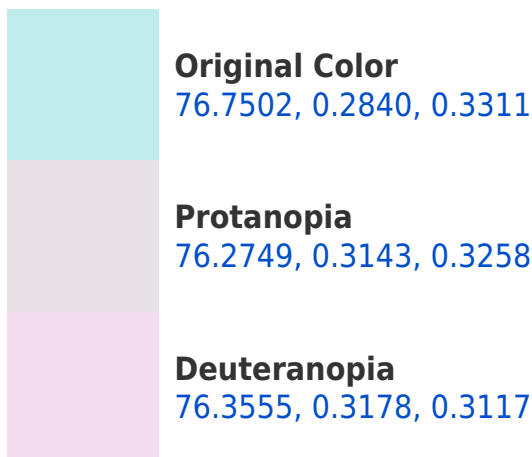


This preview shows how white text looks on a background with the Yxy color 76.7502, 0.2840, 0.3311.

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

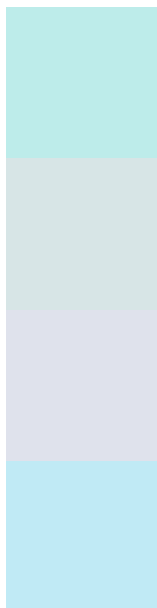




Tritanopia

76.6436, 0.2763, 0.3083

Trichromacy



Original Color

76.7502, 0.2840, 0.3311

Protanomaly

76.1989, 0.3026, 0.3279

Deuteranomaly

76.1368, 0.3043, 0.3184

Tritanomaly

76.6447, 0.2796, 0.3168

Monochromacy



Original Color

76.7502, 0.2840, 0.3311

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

74.1308, 0.3018, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7502, 0.2840, 0.3311 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, 236, 234)` looks like.

```
.text, #text, p{  
    color:rgb(189, 236, 234)  
}
```

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, 236, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 236, 234) }
```

Border

The CSS property to change the border of an element to Yxy 76.7502, 0.2840, 0.3311 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, 236, 234) }
```

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

```
.border{ border-color:rgb(189, 236, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 236, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 236, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 236, 234);  
box-shadow:4px 4px 4px 4px rgb(189, 236,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7502, 0.2840, 0.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 236, 234) }
```

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

```
.background{ background-color: rgb(189,  
236, 234) }
```

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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