

Converting Colors

$Yxy(67.9241, 0.2701, 0.3129)$

Have a look what the booklet for
Yxy(67.9241, 0.2701, 0.3129)
contains.

Yxy(67.9718, 0.2701, 0.3137)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.9718, 0.2701, 0.3137)

Conversions

Conversions Part 1

Format	Color
Hex	AAE0ED
RGB	170, 224, 237
RGB Percent	67%, 88%, 93%
CMY	0.3333, 0.1216, 0.0705
CMYK	0.28, 0.05, 0.00, 0.07
HSL	192°, 65%, 80%
HSV	192°, 28%, 93%
XYZ	58.5247, 67.9718, 90.1813
YIQ	209.3360, -36.3570, -7.4050

Conversions

Conversions Part 2

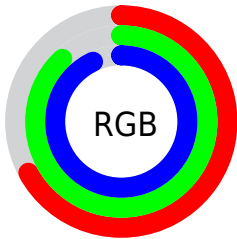
Format	Color
R _{YB}	170, 200, 237
Decimal	11198701
CIE Lab	85.99, -14.25, -11.97
CIE LCh	86, 18.612, 220.042
Yxy	67.9718, 0.2701, 0.3137
Android (android.graphics.Color)	4289388781 (0xFFAAE0ED)
YUV	209.3360, 13.6384, -34.4977
Hunter-Lab	82.4450, -17.5683, -7.1420

Details

The Yxy color **67.9718, 0.2701, 0.3137** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.8001, 0.3709, 0.3437**, and the grayscale version is **63.9223, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **35.4251, 0.2605, 0.3104** is the 20% darker color. If you saturate the color by 10%, you get **63.1218, 0.2564, 0.3074**, and if you desaturate by 10%, it is **73.3707, 0.2847, 0.3195**.

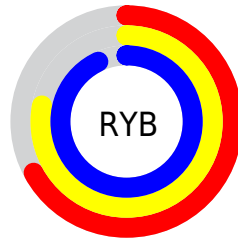
Distribution



Red (67%)

Green (88%)

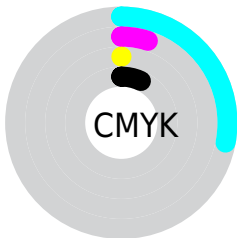
Blue (93%)



Red (67%)

Yellow (78%)

Blue (93%)

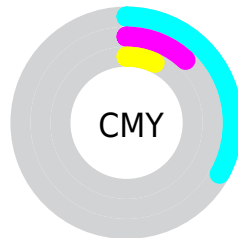


Cyan (28%)

Magenta (5%)

Yellow (0%)

Black (7%)



Cyan (33%)

Magenta (12%)

Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.9718, 0.2701, 0.3137 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 67.9718, 0.2701, 0.3137 by changing the saturation by 10% instead.


 67.9718, 0.2701,
0.3137

 67.9718, 0.2701,
0.3137

453.3961, 0.2898,
0.3212

 49.8748, 0.2656,
0.3119


 116.3118, 0.2769,
0.3164

 35.3139, 0.2601,
0.3096


147.3236, 0.2796,
0.3174

 23.9048, 0.2531,
0.3067


183.4091, 0.2819,
0.3183

 15.2630, 0.2441,
0.3027

224.9527, 0.2838,
0.3190

 9.0042, 0.2318,
0.2970

272.3388, 0.2856,
0.3196

 4.7439, 0.2144,
0.2885

325.9518, 0.2871,

 2.0978, 0.1878,

0.3202

0.2741

386.1761, 0.2885,
0.3207

0.6634, 0.1072,
0.2516

0.0000, 0.0000,
0.0000

67.9718, 0.2701,
0.3137

67.9718, 0.2701,
0.3137

63.1218, 0.2564,
0.3074

73.3707, 0.2847,
0.3195

58.7864, 0.2438,
0.3008

79.3346, 0.2999,
0.3249

54.9397, 0.2328,
0.2939

85.8887, 0.3154,
0.3298

51.5502, 0.2236,
0.2869

91.1429, 0.3243,
0.3343

■ 48.5819, 0.2162,
0.2797

■ 93.9286, 0.3239,
0.3388

■ 45.9925, 0.2109,
0.2726

■ 96.7841, 0.3235,
0.3432

■ 43.7222, 0.2073,
0.2656

■ 98.8964, 0.3232,
0.3463

■ 43.3482, 0.2068,
0.2643

Harmonies

Analogous

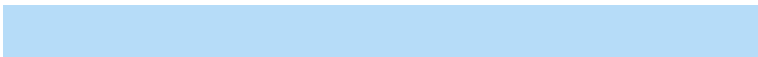
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.9718, 0.2801, 0.3348



67.9718, 0.2701, 0.3137



67.9718, 0.2710, 0.2979

Triad

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



67.9718, 0.2701, 0.3137



67.9718, 0.3258, 0.3049



67.9718, 0.3427, 0.3687

Complementary

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



67.9718, 0.2701, 0.3137



54.8001, 0.3709, 0.3437

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.



67.9718, 0.3560, 0.3588



67.9718, 0.2701, 0.3137



67.9718, 0.3461, 0.3222

Square

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



67.9718, 0.2701, 0.3137



67.9718, 0.3025, 0.2936



67.9718, 0.3573, 0.3416



67.9718, 0.3217, 0.3677

Rectangle

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



67.9718, 0.2701, 0.3137



67.9718, 0.2777, 0.2921



67.9718, 0.3573, 0.3416



67.9718, 0.3483, 0.3665

Sweetspot

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



67.9745, 0.2701, 0.3137



93.8287, 0.3003, 0.3250



72.5256, 0.3018, 0.3955



19.8456, 0.2980, 0.3243



0.0000, 0.0000, 0.0000



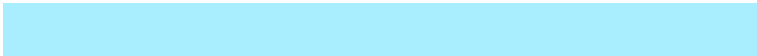
21.4041, 0.3127, 0.3290

Same Dimension

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



67.9745, 0.2701, 0.3137



76.8067, 0.2619, 0.3101



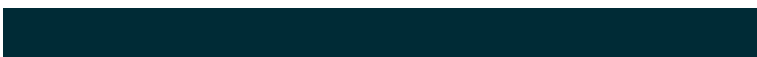
52.0286, 0.2659, 0.2737



16.5950, 0.2981, 0.3243



23.8455, 0.2071, 0.2655



1.9997, 0.2098, 0.2753

Inverse Universe

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



52.1464, 0.3266, 0.2713



55.5573, 0.3302, 0.2593



69.9280, 0.3612, 0.3787



15.2606, 0.3168, 0.3102



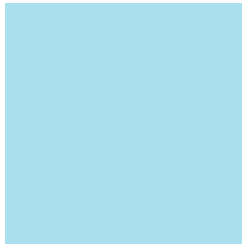
11.9000, 0.3771, 0.1851



0.9473, 0.3679, 0.1800

Previews

White Background



This preview shows how the Yxy color 67.9718, 0.2701, 0.3137 looks on a white background.

Color Contrast Check

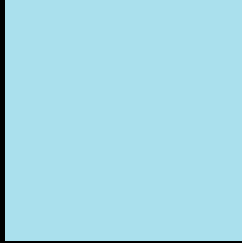
Large Text (above 18pt) WCAG AA × Fail

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 67.9718, 0.2701, 0.3137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

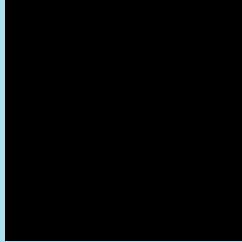
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.9718, 0.2701, 0.3137

Background



This preview shows how black text looks on a background with the Yxy color 67.9718, 0.2701, 0.3137.

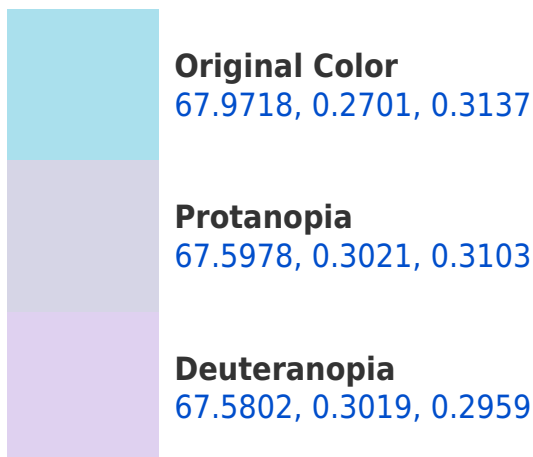


This preview shows how white text looks on a background with the Yxy color 67.9718, 0.2701, 0.3137.

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

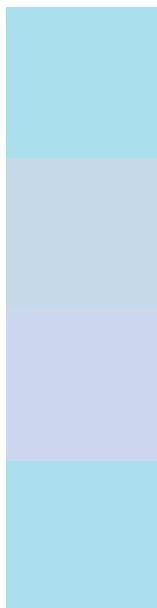




Tritanopia

67.7842, 0.2684, 0.3081

Trichromacy



Original Color

67.9718, 0.2701, 0.3137

Protanomaly

67.5147, 0.2893, 0.3109

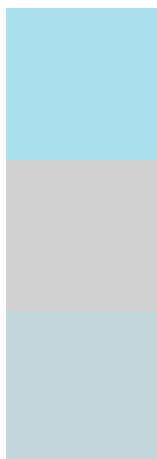
Deuteranomaly

67.1625, 0.2895, 0.3013

Tritanomaly

67.7245, 0.2689, 0.3092

Monochromacy



Original Color

67.9718, 0.2701, 0.3137

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.8097, 0.2959, 0.3232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9718, 0.2701, 0.3137 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(170, 224, 237)` looks like.

```
.text, #text, p{  
    color:rgb(170, 224, 237)  
}
```

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(170, 224, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 224, 237) }
```

Border

The CSS property to change the border of an element to Yxy 67.9718, 0.2701, 0.3137 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(170, 224, 237) }
```

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

```
.border{ border-color:rgb(170, 224, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 224, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 224, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 224, 237);  
box-shadow:4px 4px 4px 4px rgb(170, 224,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9718, 0.2701, 0.3137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 224, 237) }
```

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

```
.background{ background-color: rgb(170,  
224, 237) }
```

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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