

Converting Colors

$Yxy(70.3410, 0.2735, 0.3032)$

Have a look what the booklet for
Yxy(70.3410, 0.2735, 0.3032)
contains.

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Color

Yxy(70.3410, 0.2735, 0.3032)

Conversions

Conversions Part 1

Format	Color
Hex	B9E0F7
RGB	185, 224, 247
RGB Percent	73%, 88%, 97%
CMY	0.2744, 0.1216, 0.0315
CMYK	0.25, 0.09, 0.00, 0.03
HSL	202°, 79%, 85%
HSV	202°, 25%, 97%
XYZ	63.4507, 70.3410, 98.2036
YIQ	214.9610, -30.6270, -1.1150

Conversions

Conversions Part 2

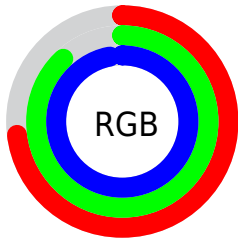
Format	Color
RYB	185, 209, 247
Decimal	12181751
CIELab	87.16, -7.68, -15.37
CIELCh	87, 17.180, 243.433
Yxy	70.3410, 0.2735, 0.3032
Android (android.graphics.Color)	4290371831 (0xFFB9E0F7)
YUV	214.9610, 15.7952, -26.2758
Hunter-Lab	83.8695, -11.7291, -10.7145

Details

The Yxy color **70.3410, 0.2735, 0.3032** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **68.3768, 0.3600, 0.3534**, and the grayscale version is **67.8368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **36.9628, 0.2645, 0.2966** is the 20% darker color. If you saturate the color by 10%, you get **62.7443, 0.2580, 0.2912**, and if you desaturate by 10%, it is **78.7419, 0.2892, 0.3143**.

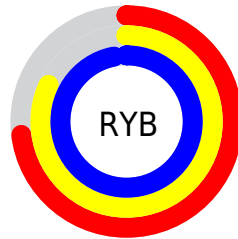
Distribution



Red (73%)

Green (88%)

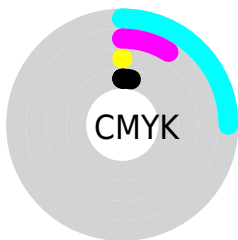
Blue (97%)



Red (73%)

Yellow (82%)

Blue (97%)

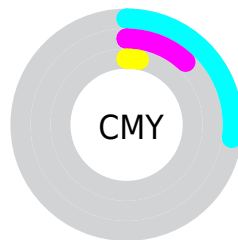


Cyan (25%)

Magenta (9%)

Yellow (0%)

Black (3%)



Cyan (27%)

Magenta (12%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.3410, 0.2735, 0.3032 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 70.3410, 0.2735, 0.3032 by changing the saturation by 10% instead.

■ 70.3410, 0.2735,
0.3032

■ 70.3410, 0.2735,
0.3032

461.7464, 0.2915,
0.3154

■ 51.8046, 0.2694,
0.3004

■ 119.6949, 0.2797,
0.3075

■ 36.8493, 0.2644,
0.2969

151.2812, 0.2821,
0.3091

■ 25.0909, 0.2581,
0.2924

187.9862, 0.2842,
0.3105

■ 16.1448, 0.2499,
0.2865

230.1944, 0.2861,
0.3117

■ 9.6266, 0.2389,
0.2784

278.2901, 0.2877,
0.3128

■ 5.1521, 0.2234,
0.2667

332.6578, 0.2891,

■ 2.3368, 0.1999,

0.3138

0.2482

393.6817, 0.2904,
0.3146

0.7931, 0.1546,
0.2166

0.0000, 0.0000,
0.0000

70.3410, 0.2735,
0.3032

70.3410, 0.2735,
0.3032

62.7443, 0.2580,
0.2912

78.7419, 0.2892,
0.3143

55.9116, 0.2432,
0.2782

87.9681, 0.3049,
0.3243

49.8114, 0.2294,
0.2645

97.2624, 0.3176,
0.3333

44.4061, 0.2170,
0.2503

99.4936, 0.3174,
0.3367

■ 39.6539, 0.2064,
0.2358

■ 35.5064, 0.1979,
0.2214

■ 31.9053, 0.1915,
0.2072

■ 30.2950, 0.1890,
0.2004

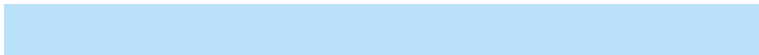
Harmonies

Analogous

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



70.3410, 0.2749, 0.3191



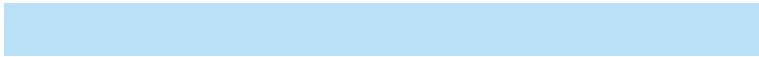
70.3410, 0.2735, 0.3032



70.3410, 0.2821, 0.2948

Triad

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



70.3410, 0.2735, 0.3032



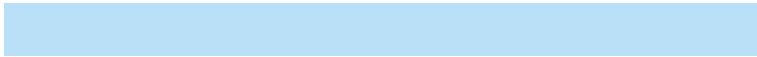
70.3410, 0.3397, 0.3190



70.3410, 0.3255, 0.3653

Complementary

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



70.3410, 0.2735, 0.3032



68.3768, 0.3600, 0.3534

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.



70.3410, 0.3436, 0.3640



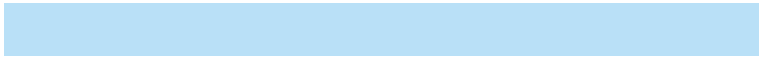
70.3410, 0.2735, 0.3032



70.3410, 0.3520, 0.3368

Square

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



70.3410, 0.2735, 0.3032



70.3410, 0.3200, 0.3041



70.3410, 0.3535, 0.3532



70.3410, 0.3045, 0.3560

Rectangle

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



70.3410, 0.2735, 0.3032



70.3410, 0.2927, 0.2941



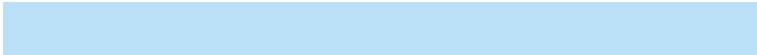
70.3410, 0.3535, 0.3532



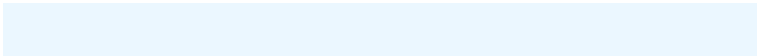
70.3410, 0.3322, 0.3661

Sweetspot

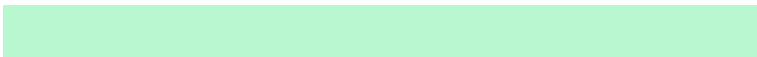
The Sweet Spot groups the original color and five complimentary colors.



70.3438, 0.2735, 0.3032



91.6036, 0.3003, 0.3215



81.3611, 0.2967, 0.3736



19.2831, 0.2979, 0.3200



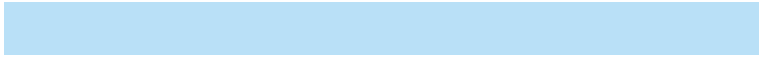
0.0000, 0.0000, 0.0000



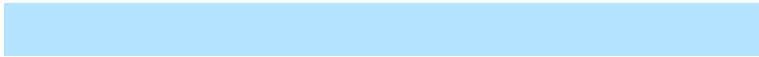
21.4041, 0.3127, 0.3290

Same Dimension

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



70.3438, 0.2735, 0.3032



71.4860, 0.2658, 0.2973



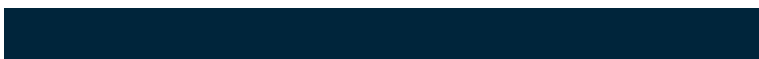
55.2936, 0.2703, 0.2672



17.6649, 0.2980, 0.3200



16.3073, 0.1897, 0.2027



1.6296, 0.1945, 0.2203

Inverse Universe

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



59.8566, 0.3334, 0.2885



58.8264, 0.3386, 0.2802



84.8359, 0.3526, 0.3840



16.6580, 0.3195, 0.3142



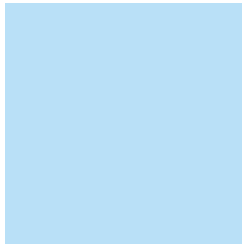
11.7456, 0.4422, 0.2210



1.0521, 0.4229, 0.2104

Previews

White Background



This preview shows how the Yxy color 70.3410, 0.2735, 0.3032 looks on a white background.

Color Contrast Check

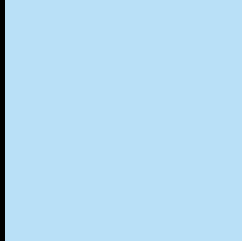
Large Text (above 18pt) WCAG AA × Fail

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 70.3410, 0.2735, 0.3032 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

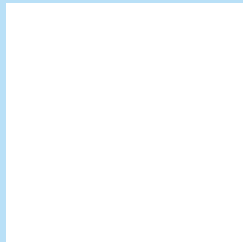
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.3410, 0.2735, 0.3032

Background



This preview shows how black text looks on a background with the Yxy color 70.3410, 0.2735, 0.3032.

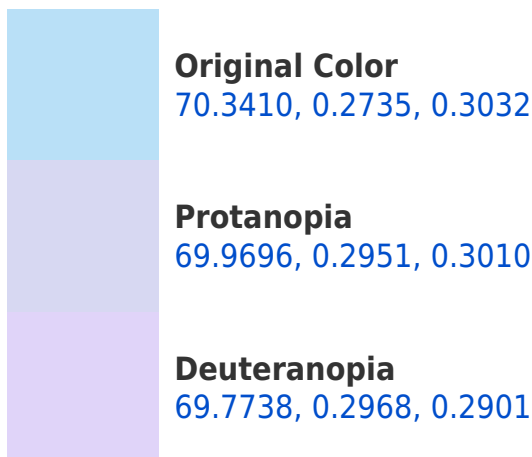


This preview shows how white text looks on a background with the Yxy color 70.3410, 0.2735, 0.3032.

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

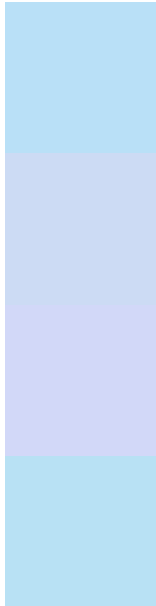




Tritanopia

70.5118, 0.2752, 0.3086

Trichromacy



Original Color

70.3410, 0.2735, 0.3032

Protanomaly

70.0321, 0.2867, 0.3016

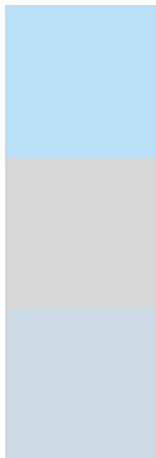
Deuteranomaly

69.5907, 0.2881, 0.2945

Tritanomaly

70.5724, 0.2746, 0.3075

Monochromacy



Original Color

70.3410, 0.2735, 0.3032

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.5262, 0.2971, 0.3189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3410, 0.2735, 0.3032 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(185, 224, 247)` looks like.

```
.text, #text, p{  
    color:rgb(185, 224, 247)  
}
```

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(185, 224, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 224, 247) }
```

Border

The CSS property to change the border of an element to Yxy 70.3410, 0.2735, 0.3032 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(185, 224, 247) }
```

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

```
.border{ border-color:rgb(185, 224, 247) }
```

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

Here you see how a box with a 4 pixel rgb(185, 224, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 224, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 224, 247);  
box-shadow:4px 4px 4px 4px rgb(185, 224,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 70.3410, 0.2735, 0.3032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 224, 247) }
```

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

```
.background{ background-color: rgb(185,  
224, 247) }
```

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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