

Converting Colors

$Y_{xy}(73.7507, 0.2730, 0.3121)$

Have a look what the booklet for
Yxy(73.7507, 0.2730, 0.3121)
contains.

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Color

Yxy(73.7507, 0.2730, 0.3121)

Conversions

Conversions Part 1

Format	Color
Hex	B6E7F6
RGB	182, 231, 246
RGB Percent	71%, 91%, 96%
CMY	0.2861, 0.0941, 0.0352
CMYK	0.26, 0.06, 0.00, 0.04
HSL	194°, 78%, 84%
HSV	194°, 26%, 96%
XYZ	64.5112, 73.7507, 98.0428
YIQ	218.0590, -34.0190, -5.7230

Conversions

Conversions Part 2

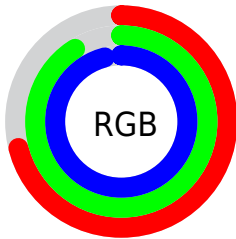
Format	Color
R _{YB}	182, 210, 246
Decimal	11986934
CIE Lab	88.80, -12.33, -12.43
CIE LCh	89, 17.513, 225.225
Yxy	73.7507, 0.2730, 0.3121
Android (android.graphics.Color)	4290177014 (0xFFB6E7F6)
YUV	218.0590, 13.7749, -31.6237
Hunter-Lab	85.8782, -16.1988, -7.5736

Details

The Yxy color **73.7507, 0.2730, 0.3121** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.9411, 0.3645, 0.3452**, and the grayscale version is **70.0820, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **38.8897, 0.2634, 0.3069** is the 20% darker color. If you saturate the color by 10%, you get **67.8339, 0.2587, 0.3046**, and if you desaturate by 10%, it is **80.3065, 0.2880, 0.3191**.

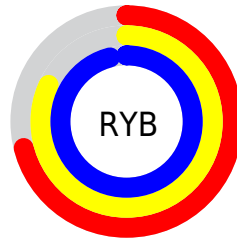
Distribution



Red (71%)

Green (91%)

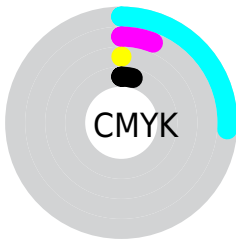
Blue (96%)



Red (71%)

Yellow (82%)

Blue (96%)

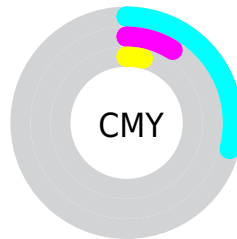


Cyan (26%)

Magenta (6%)

Yellow (0%)

Black (4%)



Cyan (29%)


Magenta (9%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.7507, 0.2730, 0.3121 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 73.7507, 0.2730, 0.3121 by changing the saturation by 10% instead.

 73.7507, 0.2730,
0.3121

 73.7507, 0.2730,
0.3121


473.6125, 0.2911,
0.3202

 54.5900, 0.2689,
0.3102

 124.5423, 0.2792,
0.3149

 39.0736, 0.2640,
0.3079


156.9421, 0.2816,
0.3160

 26.8170, 0.2577,
0.3048


194.5237, 0.2838,
0.3170

 17.4358, 0.2497,
0.3008

237.6714, 0.2856,
0.3178

 10.5457, 0.2389,
0.2953

286.7698, 0.2872,
0.3185

 5.7622, 0.2238,
0.2871

342.2032, 0.2886,

 2.7011, 0.2013,

0.3191

0.2740

404.3560, 0.2899,
0.3197

0.9777, 0.1607,
0.2512

0.0000, 0.0000,
0.0000

73.7507, 0.2730,
0.3121

73.7507, 0.2730,
0.3121

67.8339, 0.2587,
0.3046

80.3065, 0.2880,
0.3191

62.5187, 0.2454,
0.2966

87.5189, 0.3034,
0.3255

57.7769, 0.2335,
0.2882

95.2547, 0.3183,
0.3312

53.5743, 0.2232,
0.2795

98.8700, 0.3180,
0.3368

■ 49.8723, 0.2149,
0.2707

■ 99.4354, 0.3179,
0.3376

■ 46.6256, 0.2086,
0.2619

■ 43.7788, 0.2042,
0.2532

■ 42.7201, 0.2027,
0.2498

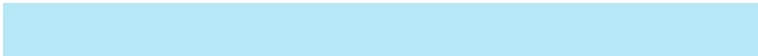
Harmonies

Analogous

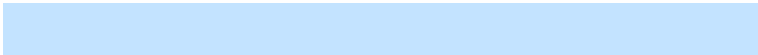
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.7507, 0.2805, 0.3309



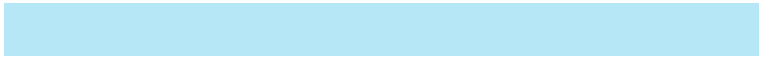
73.7507, 0.2730, 0.3121



73.7507, 0.2756, 0.2988

Triad

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



73.7507, 0.2730, 0.3121



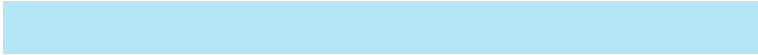
73.7507, 0.3283, 0.3093



73.7507, 0.3373, 0.3659

Complementary

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



73.7507, 0.2730, 0.3121



62.9411, 0.3645, 0.3452

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.



73.7507, 0.3509, 0.3585



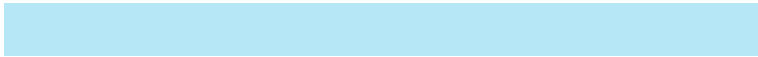
73.7507, 0.2730, 0.3121



73.7507, 0.3458, 0.3258

Square

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



73.7507, 0.2730, 0.3121



73.7507, 0.3070, 0.2978



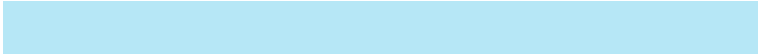
73.7507, 0.3542, 0.3437



73.7507, 0.3173, 0.3630

Rectangle

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



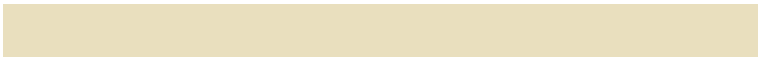
73.7507, 0.2730, 0.3121



73.7507, 0.2828, 0.2945



73.7507, 0.3542, 0.3437



73.7507, 0.3428, 0.3645

Sweetspot

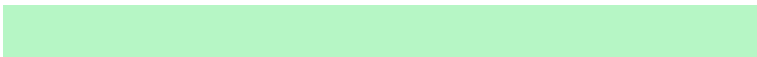
The Sweet Spot groups the original color and five complimentary colors.



73.7537, 0.2730, 0.3121



93.3145, 0.3003, 0.3242



79.9065, 0.3009, 0.3857



19.7155, 0.2980, 0.3233



0.0000, 0.0000, 0.0000



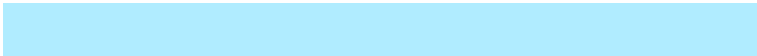
21.4041, 0.3127, 0.3290

Same Dimension

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



73.7537, 0.2730, 0.3121



76.6831, 0.2657, 0.3084



57.4994, 0.2695, 0.2748



18.0592, 0.2980, 0.3233



23.0229, 0.2031, 0.2512



2.1792, 0.2062, 0.2621

Inverse Universe

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



58.8387, 0.3273, 0.2784



58.3722, 0.3309, 0.2684



78.9941, 0.3562, 0.3778



16.6978, 0.3174, 0.3111



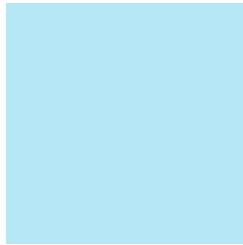
12.4235, 0.3910, 0.1928



1.1076, 0.3804, 0.1869

Previews

White Background



This preview shows how the Yxy color 73.7507, 0.2730, 0.3121 looks on a white background.

Color Contrast Check

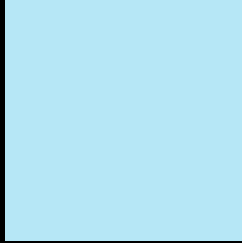
Large Text (above 18pt) WCAG AA × Fail

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 73.7507, 0.2730, 0.3121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

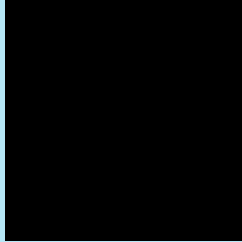
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.7507, 0.2730, 0.3121

Background



This preview shows how black text looks on a background with the Yxy color 73.7507, 0.2730, 0.3121.

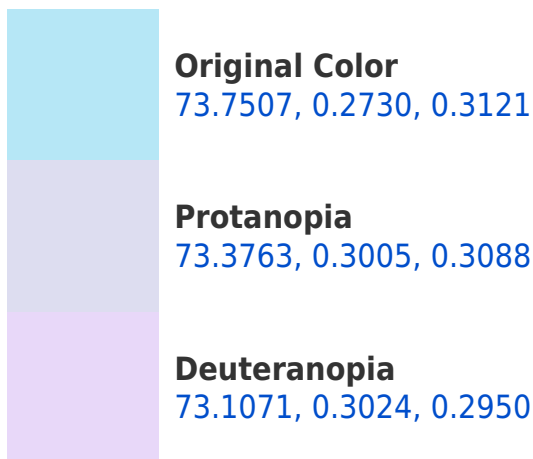


This preview shows how white text looks on a background with the Yxy color 73.7507, 0.2730, 0.3121.

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

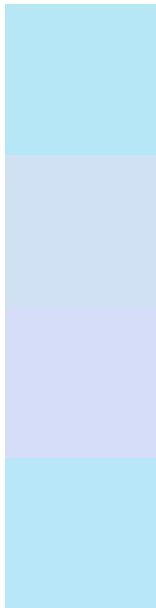




Tritanopia

74.0587, 0.2720, 0.3089

Trichromacy



Original Color

73.7507, 0.2730, 0.3121

Protanomaly

73.5266, 0.2901, 0.3105

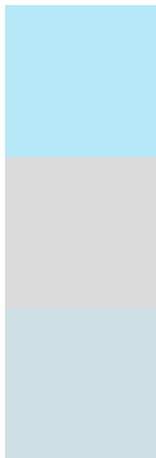
Deuteranomaly

72.7864, 0.2909, 0.3002

Tritanomaly

73.9964, 0.2725, 0.3100

Monochromacy



Original Color

73.7507, 0.2730, 0.3121

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

71.3559, 0.2972, 0.3234

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.7507, 0.2730, 0.3121 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(182, 231, 246)` looks like.

```
.text, #text, p{  
    color:rgb(182, 231, 246)  
}
```

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(182, 231, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 231, 246) }
```

Border

The CSS property to change the border of an element to Yxy 73.7507, 0.2730, 0.3121 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(182, 231, 246) }
```

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

```
.border{ border-color:rgb(182, 231, 246) }
```

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

Here you see how a box with a 4 pixel rgb(182, 231, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 231, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 231, 246);  
box-shadow:4px 4px 4px 4px rgb(182, 231,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 73.7507, 0.2730, 0.3121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 231, 246) }
```

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

```
.background{ background-color: rgb(182,  
231, 246) }
```

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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