

Converting Colors

$Yxy(74.3989, 0.2776, 0.3161)$

Have a look what the booklet for
Yxy(74.3989, 0.2776, 0.3161)
contains.

Yxy(74.1877, 0.2775, 0.3155)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(74.1877, 0.2775, 0.3155)

Conversions

Conversions Part 1

Format	Color
Hex	BBE7F3
RGB	187, 231, 243
RGB Percent	73%, 91%, 95%
CMY	0.2666, 0.0941, 0.0469
CMYK	0.23, 0.05, 0.00, 0.05
HSL	193°, 70%, 84%
HSV	193°, 23%, 95%
XYZ	65.2523, 74.1877, 95.7033
YIQ	219.2120, -30.0760, -5.5960

Conversions

Conversions Part 2

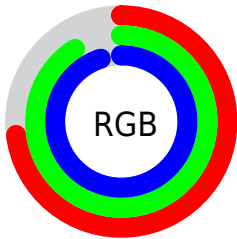
Format	Color
R_{YB}	187, 212, 243
Decimal	12314611
CIE _{Lab}	89.01, -11.55, -10.53
CIE _{LCh}	89, 15.627, 222.350
Yxy	74.1877, 0.2775, 0.3155
Android (android.graphics.Color)	4290504691 (0xFFBBE7F3)
YUV	219.2120, 11.7275, -28.2499
Hunter-Lab	86.1323, -15.5031, -5.5857

Details

The Yxy color **74.1877, 0.2775, 0.3155** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.5172, 0.3575, 0.3421**, and the grayscale version is **70.9296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **39.2343, 0.2696, 0.3114** is the 20% darker color. If you saturate the color by 10%, you get **68.5007, 0.2631, 0.3088**, and if you desaturate by 10%, it is **80.4867, 0.2926, 0.3217**.

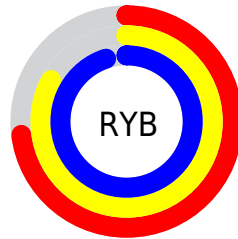
Distribution



Red (73%)

Green (91%)

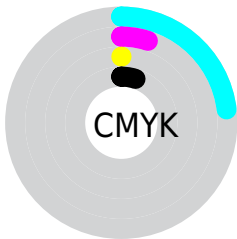
Blue (95%)



Red (73%)

Yellow (83%)

Blue (95%)

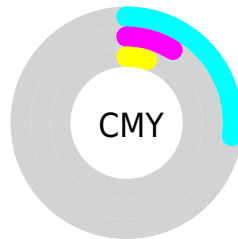


Cyan (23%)

Magenta (5%)

Yellow (0%)

Black (5%)



Cyan (27%)


Magenta (9%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 74.1877, 0.2775, 0.3155 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 74.1877, 0.2775, 0.3155 by changing the saturation by 10% instead.


 74.1877, 0.2775,
0.3155

 74.1877, 0.2775,
0.3155

475.1209, 0.2936,
0.3219

 54.9477, 0.2739,
0.3140


 125.1618, 0.2830,
0.3178

 39.3598, 0.2695,
0.3121


157.6648, 0.2852,
0.3186

 27.0398, 0.2639,
0.3097


195.3574, 0.2871,
0.3194

 17.6031, 0.2567,
0.3065

238.6243, 0.2887,
0.3200

 10.6654, 0.2471,
0.3020

287.8496, 0.2901,
0.3206

 5.8423, 0.2335,
0.2954

343.4179, 0.2914,

 2.7494, 0.2131,

0.3211

0.2847

405.7136, 0.2925,
0.3215

1.0024, 0.1767,
0.2659

0.0000, 0.0000,
0.0000

74.1877, 0.2775,
0.3155

74.1877, 0.2775,
0.3155

68.5007, 0.2631,
0.3088

80.4867, 0.2926,
0.3217

63.3897, 0.2497,
0.3016

87.4135, 0.3080,
0.3274

58.8288, 0.2376,
0.2941

94.0500, 0.3203,
0.3325

54.7857, 0.2271,
0.2863

97.2828, 0.3199,
0.3375

■ 51.2247, 0.2185,
0.2784

■ 99.2534, 0.3197,
0.3405

■ 48.1044, 0.2118,
0.2704

■ 45.3748, 0.2071,
0.2625

■ 43.6572, 0.2047,
0.2570

Harmonies

Analogous

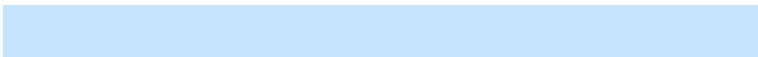
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.1877, 0.2851, 0.3325



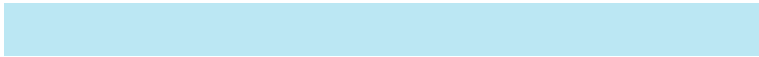
74.1877, 0.2775, 0.3155



74.1877, 0.2790, 0.3029

Triad

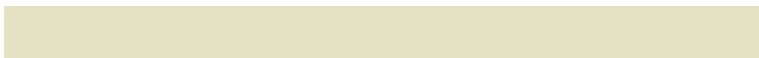
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.1877, 0.2775, 0.3155



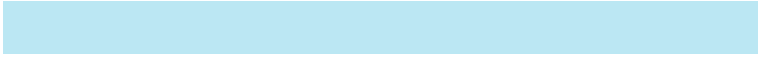
74.1877, 0.3249, 0.3102



74.1877, 0.3361, 0.3616

Complementary

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



74.1877, 0.2775, 0.3155



63.5172, 0.3575, 0.3421

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.



74.1877, 0.3475, 0.3543



74.1877, 0.2775, 0.3155



74.1877, 0.3409, 0.3247

Square

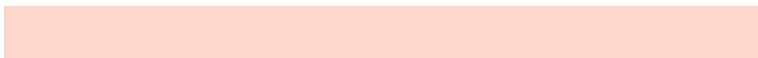
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.1877, 0.2775, 0.3155



74.1877, 0.3059, 0.3004



74.1877, 0.3493, 0.3407



74.1877, 0.3187, 0.3598

Rectangle

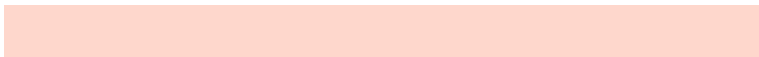
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



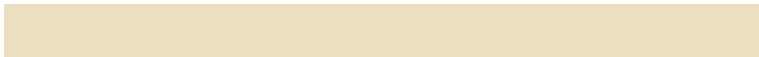
74.1877, 0.2775, 0.3155



74.1877, 0.2849, 0.2985



74.1877, 0.3493, 0.3407



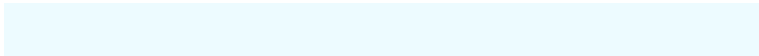
74.1877, 0.3408, 0.3601

Sweetspot

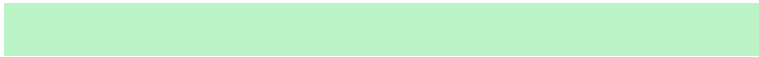
The Sweet Spot groups the original color and five complimentary colors.



74.1907, 0.2775, 0.3155



94.3478, 0.3018, 0.3252



78.7766, 0.3033, 0.3806



20.0936, 0.3009, 0.3249



0.0000, 0.0000, 0.0000



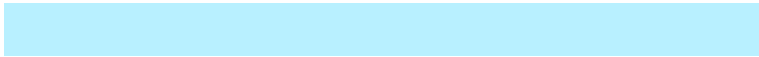
21.4041, 0.3127, 0.3290

Same Dimension

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



74.1907, 0.2775, 0.3155



79.4811, 0.2702, 0.3122



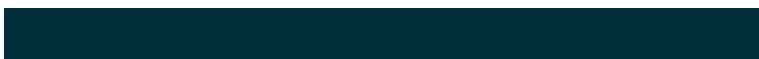
60.1375, 0.2750, 0.2840



18.1181, 0.2980, 0.3238



24.1574, 0.2051, 0.2583



2.2700, 0.2078, 0.2682

Inverse Universe

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



60.3746, 0.3245, 0.2832



61.6461, 0.3276, 0.2730



77.1667, 0.3512, 0.3702



16.7037, 0.3171, 0.3106



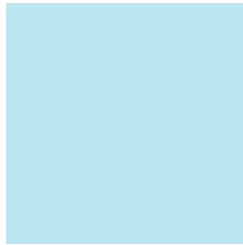
12.5381, 0.3841, 0.1889



1.1168, 0.3746, 0.1837

Previews

White Background



This preview shows how the Yxy color 74.1877, 0.2775, 0.3155 looks on a white background.

Color Contrast Check

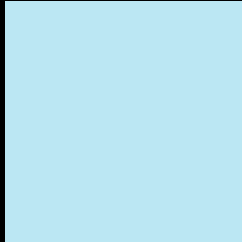
Large Text (above 18pt) WCAG AA × Fail

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 74.1877, 0.2775, 0.3155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

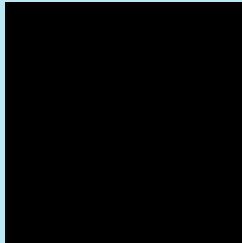
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.1877, 0.2775, 0.3155

Background



This preview shows how black text looks on a background with the Yxy color 74.1877, 0.2775, 0.3155.

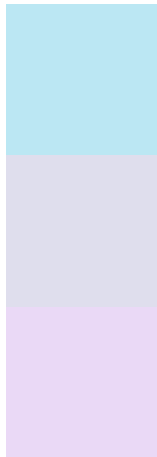


This preview shows how white text looks on a background with the Yxy color 74.1877, 0.2775, 0.3155.

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

74.1877, 0.2775, 0.3155

Protanopia

74.0450, 0.3037, 0.3131

Deuteranopia

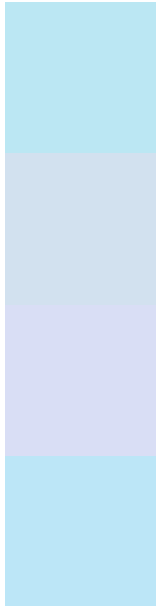
73.7720, 0.3057, 0.2991



Tritanopia

74.1245, 0.2748, 0.3079

Trichromacy



Original Color

74.1877, 0.2775, 0.3155

Protanomaly

73.7841, 0.2938, 0.3138

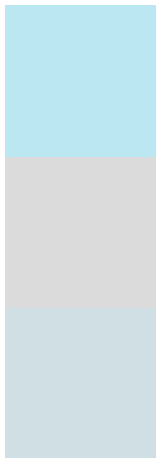
Deuteranomaly

73.5868, 0.2947, 0.3045

Tritanomaly

74.0004, 0.2758, 0.3101

Monochromacy



Original Color

74.1877, 0.2775, 0.3155

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

71.6422, 0.2985, 0.3234

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.1877, 0.2775, 0.3155 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(187, 231, 243)` looks like.

```
.text, #text, p{  
    color:rgb(187, 231, 243)  
}
```

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(187, 231, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 231, 243) }
```

Border

The CSS property to change the border of an element to Yxy 74.1877, 0.2775, 0.3155 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(187, 231, 243) }
```

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

```
.border{ border-color:rgb(187, 231, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 231, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 231, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 231, 243);  
box-shadow:4px 4px 4px 4px rgb(187, 231,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 74.1877, 0.2775, 0.3155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 231, 243) }
```

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

```
.background{ background-color: rgb(187,  
231, 243) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor