

# Converting Colors

$Y_{xy}(74.7590, 0.2788, 0.3197)$

Have a look what the booklet for  
Yxy(74.7590, 0.2788, 0.3197)  
contains.

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# Color

**Yxy(74.6289, 0.2787, 0.3189)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | BBE8F1                      |
| RGB         | 187, 232, 241               |
| RGB Percent | 73%, 91%, 95%               |
| CMY         | 0.2667, 0.0902, 0.0550      |
| CMYK        | 0.22, 0.04, 0.00, 0.05      |
| HSL         | 190°, 66%, 84%              |
| HSV         | 190°, 22%, 95%              |
| XYZ         | 65.2213, 74.6289, 94.1695   |
| YIQ         | 219.5710, -29.7090, -6.7410 |

# Conversions

## Conversions Part 2

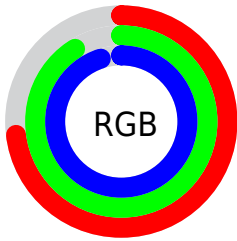
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 187, 212, 241                  |
| Decimal                             | 12314865                       |
| CIE Lab                             | 89.22, -12.51, -9.14           |
| CIE LCh                             | 89, 15.497, 216.143            |
| Yxy                                 | 74.6289, 0.2787,<br>0.3189     |
| Android<br>(android.graphics.Color) | 4290504945<br>(0xFFBBE8F1)     |
| YUV                                 | 219.5710, 10.5645,<br>-28.5648 |
| Hunter-Lab                          | 86.3880, -16.4149,<br>-4.1590  |

# Details

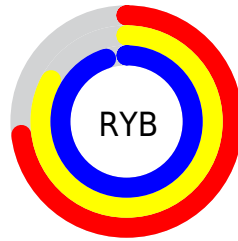
The Yxy color **74.6289, 0.2787, 0.3189** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.7430, 0.3566, 0.3389**, and the grayscale version is **71.1952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **39.5400, 0.2711, 0.3157** is the 20% darker color. If you saturate the color by 10%, you get **69.6156, 0.2646, 0.3138**, and if you desaturate by 10%, it is **80.2096, 0.2936, 0.3237**.

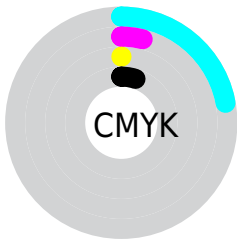
# Distribution



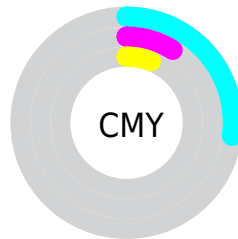
- Red (73%)
- Green (91%)
- Blue (95%)



- Red (73%)
- Yellow (83%)
- Blue (95%)



- Cyan (22%)
- Magenta (4%)
- Yellow (0%)
- Black (5%)




- Cyan (27%)
- Magenta (9%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.6289, 0.2787, 0.3189 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 74.6289, 0.2787, 0.3189 by changing the saturation by 10% instead.




 74.6289, 0.2787,  
0.3189

 74.6289, 0.2787,  
0.3189


476.6411, 0.2942,  
0.3238

 55.3089, 0.2752,  
0.3177

 125.7869, 0.2840,  
0.3206

 39.6491, 0.2709,  
0.3163

158.3937, 0.2861,  
0.3213

 27.2651, 0.2656,  
0.3144

196.1983, 0.2879,  
0.3218

 17.7724, 0.2586,  
0.3120

239.5850, 0.2895,  
0.3223

 10.7867, 0.2493,  
0.3085

288.9383, 0.2909,  
0.3228

 5.9236, 0.2362,  
0.3033

344.6424, 0.2921,

 2.7987, 0.2164,

0.3231

0.2948

407.0819, 0.2932,  
0.3235

1.0276, 0.1808,  
0.2796

0.0000, 0.0000,  
0.0000

74.6289, 0.2787,  
0.3189

74.6289, 0.2787,  
0.3189

69.6156, 0.2646,  
0.3138

80.2096, 0.2936,  
0.3237

65.1348, 0.2516,  
0.3083

86.3724, 0.3090,  
0.3280

61.1615, 0.2400,  
0.3026

92.3227, 0.3217,  
0.3320

57.6650, 0.2300,  
0.2967

94.7581, 0.3214,  
0.3358

■ 54.6108, 0.2220,  
0.2907

■ 97.2461, 0.3211,  
0.3397

■ 51.9595, 0.2159,  
0.2847

■ 99.1297, 0.3209,  
0.3425

■ 49.6631, 0.2117,  
0.2787

■ 48.1009, 0.2095,  
0.2742

# Harmonies

## Analogous

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



74.6289, 0.2879, 0.3360



74.6289, 0.2787, 0.3189



74.6289, 0.2783, 0.3052

# Triad

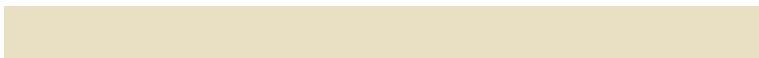
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.6289, 0.2787, 0.3189



74.6289, 0.3209, 0.3079



74.6289, 0.3388, 0.3604

# Complementary

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



74.6289, 0.2787, 0.3189



61.7430, 0.3566, 0.3389

# 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.



74.6289, 0.3483, 0.3517



74.6289, 0.2787, 0.3189



74.6289, 0.3378, 0.3216

# Square

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



74.6289, 0.2787, 0.3189



74.6289, 0.3022, 0.2995



74.6289, 0.3480, 0.3374



74.6289, 0.3225, 0.3606

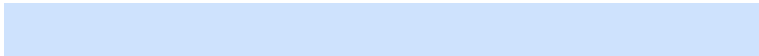


# Rectangle

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



74.6289, 0.2787, 0.3189



74.6289, 0.2830, 0.2998



74.6289, 0.3480, 0.3374



74.6289, 0.3430, 0.3584

# Sweetspot

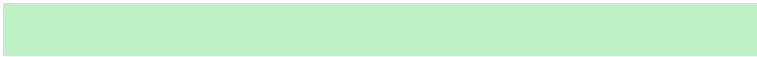
The Sweet Spot groups the original color and five complimentary colors.



74.6319, 0.2787, 0.3189



94.8932, 0.3018, 0.3261



77.4054, 0.3051, 0.3821



20.2202, 0.3009, 0.3258



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

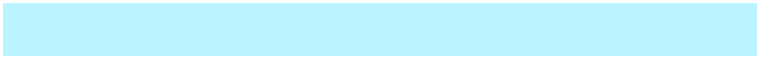


# Same Dimension

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



74.6319, 0.2787, 0.3189



82.1171, 0.2720, 0.3166



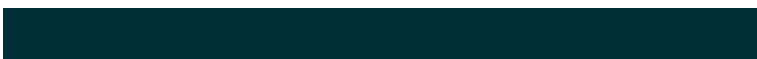
60.9985, 0.2764, 0.2887



17.4559, 0.2981, 0.3250



26.2603, 0.2098, 0.2752



2.3021, 0.2120, 0.2830



# Inverse Universe

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



60.0579, 0.3221, 0.2820



62.9462, 0.3244, 0.2719



74.5702, 0.3506, 0.3663



15.9837, 0.3163, 0.3095



12.4443, 0.3679, 0.1800

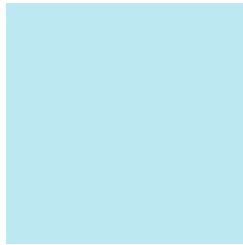


1.0471, 0.3607, 0.1761



# Previews

## White Background



This preview shows how the Yxy color 74.6289, 0.2787, 0.3189 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

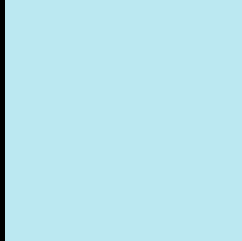
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.6289, 0.2787, 0.3189 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

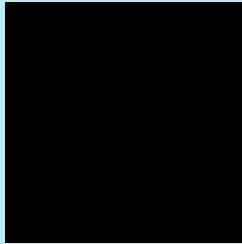
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.6289, 0.2787, 0.3189**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.6289, 0.2787, 0.3189.

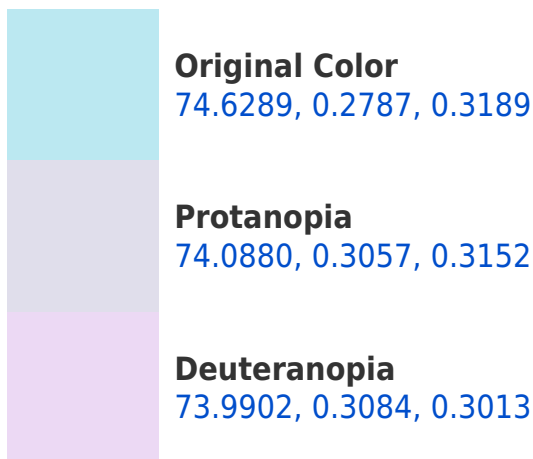


This preview shows how white text looks on a background with the Yxy color 74.6289, 0.2787, 0.3189.

# 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

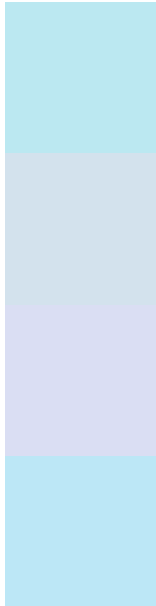




## Tritanopia

74.8102, 0.2754, 0.3091

# Trichromacy



## Original Color

74.6289, 0.2787, 0.3189

## Protanomaly

74.3560, 0.2957, 0.3171

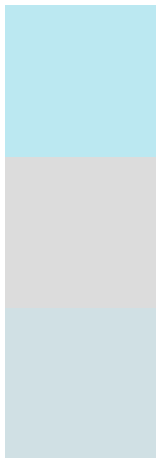
## Deuteranomaly

73.6190, 0.2966, 0.3066

## Tritanomaly

74.4970, 0.2765, 0.3123

# Monochromacy



## Original Color

74.6289, 0.2787, 0.3189

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

72.3226, 0.2992, 0.3246

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.6289, 0.2787, 0.3189 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, 232, 241)` looks like.

```
.text, #text, p{  
    color:rgb(187, 232, 241)  
}
```

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, 232, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 232, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 74.6289, 0.2787, 0.3189 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, 232, 241) }
```

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

```
.border{ border-color:rgb(187, 232, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 232, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 232, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 232, 241);  
box-shadow:4px 4px 4px 4px rgb(187, 232,  
241) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.6289, 0.2787, 0.3189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 232, 241) }
```

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

```
.background{ background-color: rgb(187,  
232, 241) }
```

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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