

Converting Colors

$Yxy(77.2999, 0.2694, 0.3123)$

Have a look what the booklet for
Yxy(77.2999, 0.2694, 0.3123)
contains.

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Color

Yxy(77.2999, 0.2694, 0.3123)

Conversions

Conversions Part 1

Format	Color
Hex	B4EDFC
RGB	180, 237, 252
RGB Percent	71%, 93%, 99%
CMY	0.2941, 0.0706, 0.0116
CMYK	0.29, 0.06, 0.00, 0.01
HSL	193°, 92%, 85%
HSV	193°, 29%, 99%
XYZ	66.6814, 77.2999, 103.5368
YIQ	221.6670, -38.7870, -7.4190

Conversions

Conversions Part 2

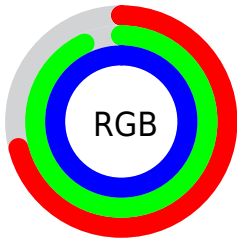
Format	Color
RYB	180, 212, 252
Decimal	11857404
CIELab	90.46, -14.60, -13.12
CIELCh	90, 19.626, 221.955
Yxy	77.2999, 0.2694, 0.3123
Android (android.graphics.Color)	4290047484 (0xFFB4EDFC)
YUV	221.6670, 14.9542, -36.5420
Hunter-Lab	87.9204, -18.4810, -8.2769

Details

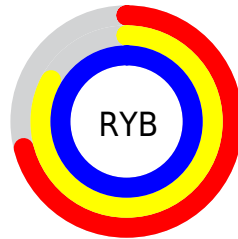
The Yxy color **77.2999, 0.2694, 0.3123** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.0465, 0.3717, 0.3450**, and the grayscale version is **72.7155, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **41.3479, 0.2600, 0.3087** is the 20% darker color. If you saturate the color by 10%, you get **71.5453, 0.2555, 0.3055**, and if you desaturate by 10%, it is **83.7001, 0.2841, 0.3186**.

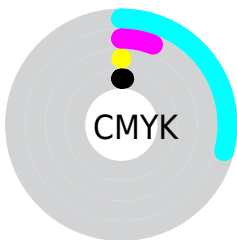
Distribution



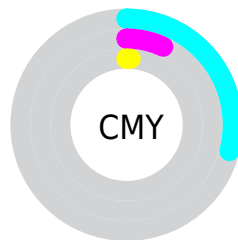
- Red (71%)
- Green (93%)
- Blue (99%)



- Red (71%)
- Yellow (83%)
- Blue (99%)



- Cyan (29%)
- Magenta (6%)
- Yellow (0%)
- Black (1%)



- Cyan (29%)
- Magenta (7%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.2999, 0.2694, 0.3123 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 77.2999, 0.2694, 0.3123 by changing the saturation by 10% instead.

■ 77.2999, 0.2694,
0.3123

■ 77.2999, 0.2694,
0.3123

■ 485.7859, 0.2889,
0.3203

■ 57.4990, 0.2651,
0.3104

■ 129.5627, 0.2761,
0.3151

■ 41.4060, 0.2598,
0.3081

■ 162.7935, 0.2787,
0.3162

■ 28.6365, 0.2532,
0.3051

■ 201.2697, 0.2810,
0.3171

■ 18.8060, 0.2447,
0.3012

■ 245.3757, 0.2830,
0.3179

■ 11.5302, 0.2335,
0.2958

■ 295.4960, 0.2847,
0.3186

■ 6.4246, 0.2180,
0.2879

■ 352.0148, 0.2863,

■ 3.1050, 0.1953,

0.3192

0.2753

415.3167, 0.2877,
0.3198

1.1868, 0.1587,
0.2531

0.0509, 0.0000,
0.0497

77.2999, 0.2694,
0.3123

77.2999, 0.2694,
0.3123

71.5453, 0.2555,
0.3055

83.7001, 0.2841,
0.3186

66.3965, 0.2429,
0.2984

90.7649, 0.2994,
0.3244

61.8231, 0.2317,
0.2909

98.4082, 0.3145,
0.3297

57.7879, 0.2223,
0.2832

99.8111, 0.3144,
0.3318

■ 54.2488, 0.2149,
0.2755

■ 51.1560, 0.2094,
0.2677

■ 48.4387, 0.2058,
0.2601

■ 48.0714, 0.2053,
0.2590

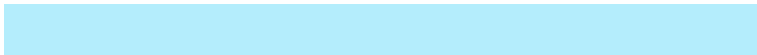
Harmonies

Analogous

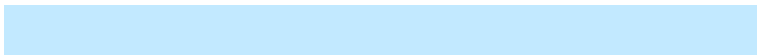
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.2999, 0.2788, 0.3335



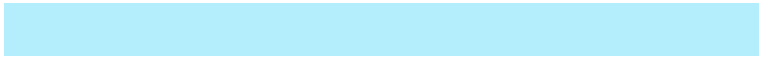
77.2999, 0.2694, 0.3123



77.2999, 0.2711, 0.2968

Triad

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



77.2999, 0.2694, 0.3123



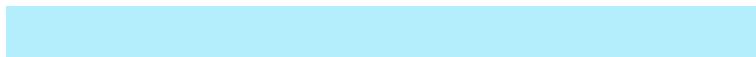
77.2999, 0.3274, 0.3056



77.2999, 0.3419, 0.3694

Complementary

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



77.2999, 0.2694, 0.3123



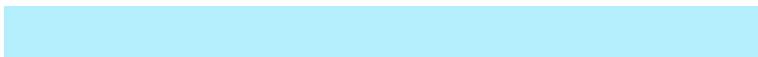
63.0465, 0.3717, 0.3450

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.



77.2999, 0.3559, 0.3600



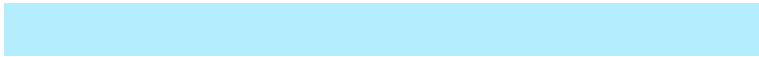
77.2999, 0.2694, 0.3123



77.2999, 0.3475, 0.3233

Square

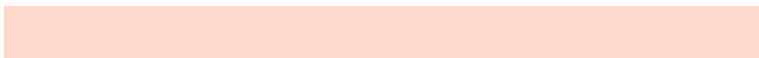
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



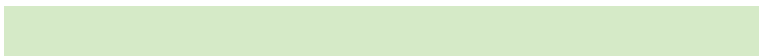
77.2999, 0.2694, 0.3123



77.2999, 0.3039, 0.2938



77.2999, 0.3581, 0.3430



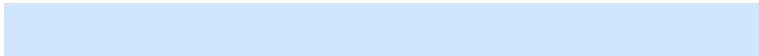
77.2999, 0.3203, 0.3676

Rectangle

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



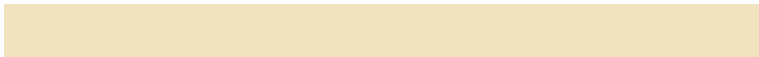
77.2999, 0.2694, 0.3123



77.2999, 0.2782, 0.2914



77.2999, 0.3581, 0.3430



77.2999, 0.3476, 0.3674

Sweetspot

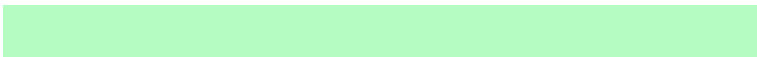
The Sweet Spot groups the original color and five complimentary colors.



77.3030, 0.2694, 0.3123



92.8849, 0.2988, 0.3242



83.2647, 0.3010, 0.3952



19.6467, 0.2965, 0.3234



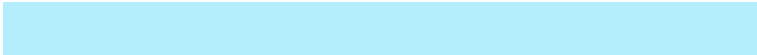
0.0000, 0.0000, 0.0000



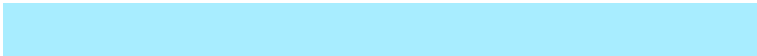
21.4041, 0.3127, 0.3290

Same Dimension

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



77.3030, 0.2694, 0.3123



76.0871, 0.2617, 0.3087



58.7924, 0.2650, 0.2713



18.9571, 0.2980, 0.3239



25.2515, 0.2057, 0.2603



2.4877, 0.2082, 0.2695

Inverse Universe

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



59.4591, 0.3276, 0.2714



55.4846, 0.3312, 0.2604



80.8320, 0.3617, 0.3806



17.4588, 0.3170, 0.3104



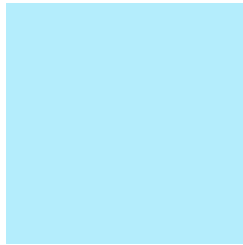
12.9601, 0.3821, 0.1878



1.2154, 0.3733, 0.1830

Previews

White Background



This preview shows how the Yxy color 77.2999, 0.2694, 0.3123 looks on a white background.

Color Contrast Check

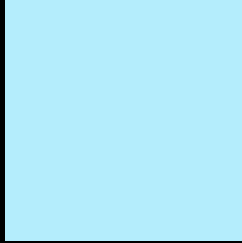
Large Text (above 18pt) WCAG AA × Fail

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 77.2999, 0.2694, 0.3123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

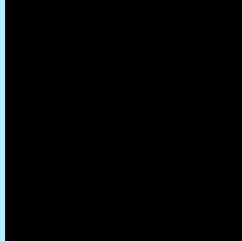
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.2999, 0.2694, 0.3123

Background



This preview shows how black text looks on a background with the Yxy color 77.2999, 0.2694, 0.3123.

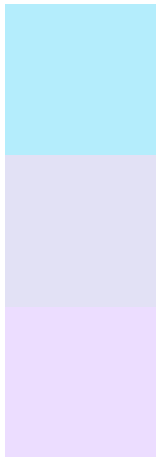


This preview shows how white text looks on a background with the Yxy color 77.2999, 0.2694, 0.3123.

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

77.2999, 0.2694, 0.3123

Protanopia

76.6118, 0.3007, 0.3082

Deuteranopia

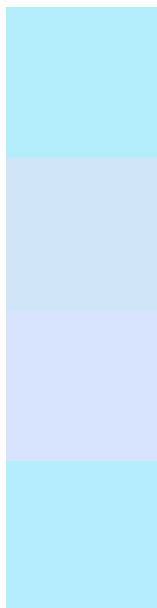
76.7658, 0.3013, 0.2946



Tritanopia

77.1560, 0.2689, 0.3081

Trichromacy



Original Color

77.2999, 0.2694, 0.3123

Protanomaly

76.3712, 0.2880, 0.3087

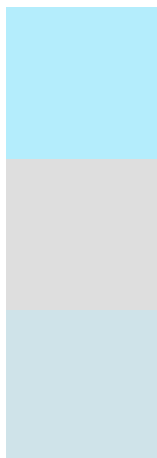
Deuteranomaly

76.6929, 0.2889, 0.3007

Tritanomaly

76.9704, 0.2688, 0.3091

Monochromacy



Original Color

77.2999, 0.2694, 0.3123

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

74.0868, 0.2955, 0.3224

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.2999, 0.2694, 0.3123 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(180, 237, 252)` looks like.

```
.text, #text, p{  
    color:rgb(180, 237, 252)  
}
```

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(180, 237, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 237, 252) }
```

Border

The CSS property to change the border of an element to Yxy 77.2999, 0.2694, 0.3123 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(180, 237, 252) }
```

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

```
.border{ border-color:rgb(180, 237, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 237, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 237, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 237, 252);  
box-shadow:4px 4px 4px 4px rgb(180, 237,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 77.2999, 0.2694, 0.3123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 237, 252) }
```

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

```
.background{ background-color: rgb(180,  
237, 252) }
```

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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