

Converting Colors

$Y_{xy}(90.7708, 0.2172, 0.1970)$

Have a look what the booklet for
Yxy(90.7708, 0.2172, 0.1970)
contains.

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Color

Yxy(78.4797, 0.2723, 0.3094)

Conversions

Conversions Part 1

Format	Color
Hex	BCEDFF
RGB	188, 237, 255
RGB Percent	74%, 93%, 100%
CMY	0.2628, 0.0706, 0.0001
CMYK	0.26, 0.07, 0.00, 0.00
HSL	196°, 100%, 87%
HSV	196°, 26%, 100%
XYZ	69.0692, 78.4797, 106.1023
YIQ	224.4010, -34.9820, -4.7900

Conversions

Conversions Part 2

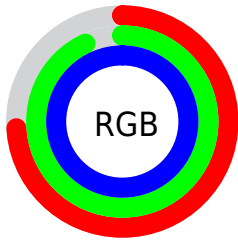
Format	Color
RYB	188, 216, 255
Decimal	12381695
CIELab	91.00, -11.68, -13.80
CIELCh	91, 18.079, 229.770
Yxy	78.4797, 0.2723, 0.3094
Android (android.graphics.Color)	4290571775 (0xFFBCEDFF)
YUV	224.4010, 15.0853, -31.9237
Hunter-Lab	88.5888, -15.8608, -8.9992

Details

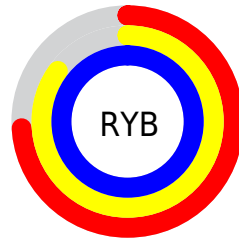
The Yxy color **78.4797, 0.2723, 0.3094** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.0159, 0.3647, 0.3477**, and the grayscale version is **74.7520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **42.1115, 0.2634, 0.3049** is the 20% darker color. If you saturate the color by 10%, you get **71.6385, 0.2577, 0.3007**, and if you desaturate by 10%, it is **86.0505, 0.2875, 0.3174**.

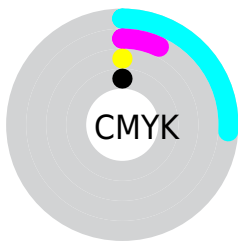
Distribution



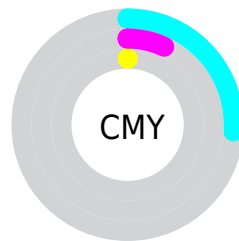
- Red (74%)
- Green (93%)
- Blue (100%)



- Red (74%)
- Yellow (85%)
- Blue (100%)



- Cyan (26%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (26%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.4797, 0.2723, 0.3094 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 78.4797, 0.2723, 0.3094 by changing the saturation by 10% instead.


 78.4797, 0.2723,
0.3094

 78.4797, 0.2723,
0.3094


489.7944, 0.2905,
0.3186

 58.4681, 0.2683,
0.3073


 131.2261, 0.2785,
0.3126

 42.1851, 0.2634,
0.3047


164.7298, 0.2810,
0.3138

 29.2463, 0.2572,
0.3013


203.4996, 0.2831,
0.3149

 19.2672, 0.2494,
0.2970

247.9199, 0.2849,
0.3158

 11.8635, 0.2390,
0.2910

298.3751, 0.2866,
0.3167

 6.6508, 0.2246,
0.2824

355.2497, 0.2880,

 3.2447, 0.2036,

0.3174

0.2691

418.9280, 0.2893,
0.3180

1.2608, 0.1703,
0.2460

0.1105, 0.0000,
0.0920

78.4797, 0.2723,
0.3094

78.4797, 0.2723,
0.3094

71.6385, 0.2577,
0.3007

86.0505, 0.2875,
0.3174

65.4856, 0.2441,
0.2915

94.3710, 0.3030,
0.3248

59.9897, 0.2318,
0.2818

99.9991, 0.3127,
0.3290

55.1125, 0.2211,
0.2717

■ 50.8112, 0.2123,
0.2615

■ 47.0356, 0.2056,
0.2513

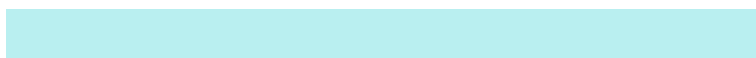
■ 43.7237, 0.2008,
0.2413

■ 42.5741, 0.1993,
0.2375

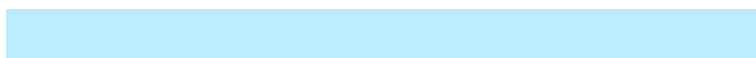
Harmonies

Analogous

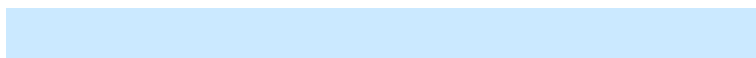
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.4797, 0.2784, 0.3279



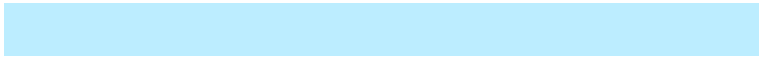
78.4797, 0.2723, 0.3094



78.4797, 0.2765, 0.2971

Triad

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



78.4797, 0.2723, 0.3094



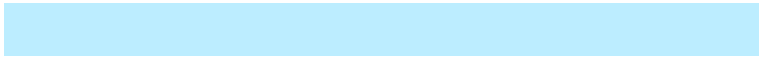
78.4797, 0.3316, 0.3114



78.4797, 0.3348, 0.3666

Complementary

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



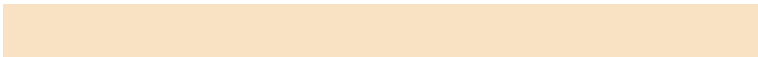
78.4797, 0.2723, 0.3094



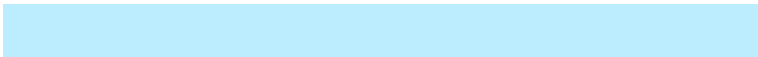
69.0159, 0.3647, 0.3477

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.



78.4797, 0.3499, 0.3605



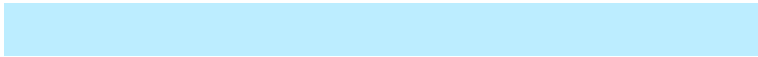
78.4797, 0.2723, 0.3094



78.4797, 0.3481, 0.3285

Square

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



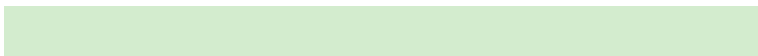
78.4797, 0.2723, 0.3094



78.4797, 0.3102, 0.2987



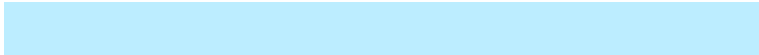
78.4797, 0.3549, 0.3464



78.4797, 0.3141, 0.3620

Rectangle

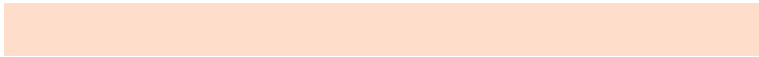
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.4797, 0.2723, 0.3094



78.4797, 0.2847, 0.2937



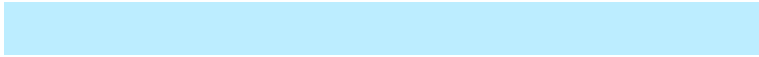
78.4797, 0.3549, 0.3464



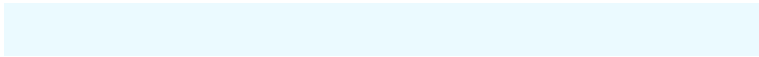
78.4797, 0.3407, 0.3657

Sweetspot

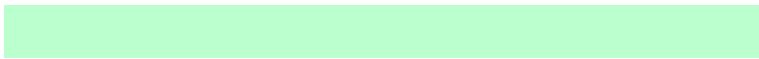
The Sweet Spot groups the original color and five complimentary colors.



78.4829, 0.2723, 0.3094



92.8910, 0.3003, 0.3235



86.6507, 0.2995, 0.3839



19.6083, 0.2980, 0.3225



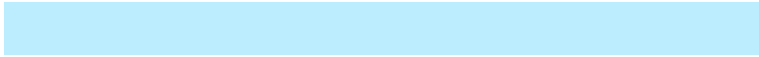
0.0000, 0.0000, 0.0000



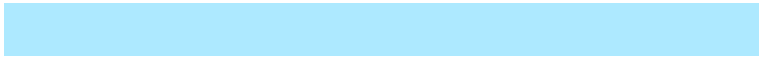
21.4041, 0.3127, 0.3290

Same Dimension

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



78.4829, 0.2723, 0.3094



74.4861, 0.2638, 0.3045



60.9168, 0.2687, 0.2715



19.6083, 0.2980, 0.3225



22.5080, 0.1998, 0.2392



2.3719, 0.2030, 0.2507

Inverse Universe

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



63.3355, 0.3293, 0.2799



57.1899, 0.3338, 0.2690



86.8284, 0.3563, 0.3806



18.2123, 0.3179, 0.3118



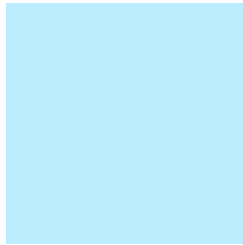
13.0002, 0.4031, 0.1994



1.2840, 0.3916, 0.1931

Previews

White Background



This preview shows how the Yxy color 78.4797, 0.2723, 0.3094 looks on a white background.

Color Contrast Check

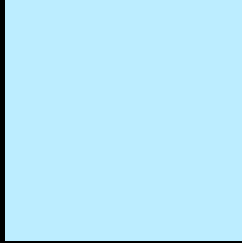
Large Text (above 18pt) WCAG AA × Fail

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 78.4797, 0.2723, 0.3094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

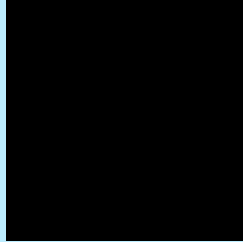
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

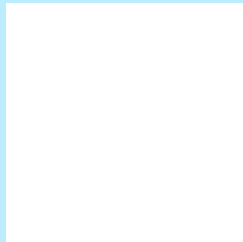
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.4797, 0.2723, 0.3094

Background



This preview shows how black text looks on a background with the Yxy color 78.4797, 0.2723, 0.3094.

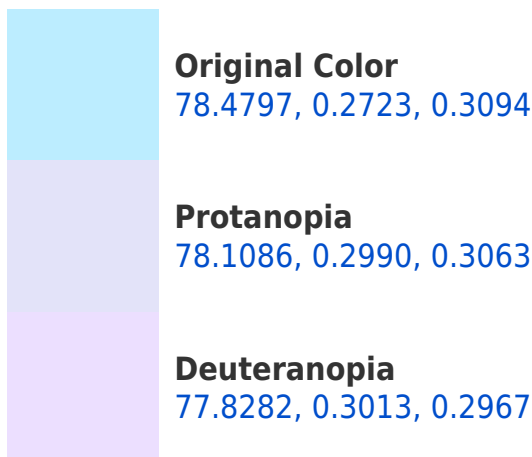


This preview shows how white text looks on a background with the Yxy color 78.4797, 0.2723, 0.3094.

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

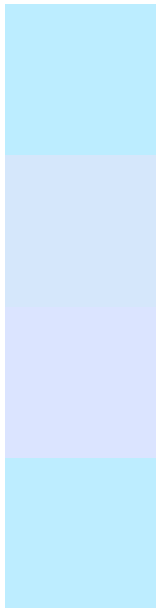




Tritanopia

78.7355, 0.2734, 0.3094

Trichromacy



Original Color

78.4797, 0.2723, 0.3094

Protanomaly

78.2630, 0.2889, 0.3079

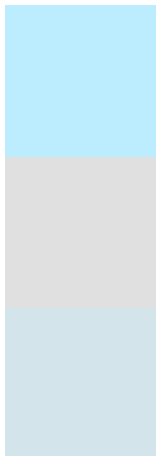
Deuteranomaly

77.7669, 0.2902, 0.3009

Tritanomaly

78.6072, 0.2729, 0.3094

Monochromacy



Original Color

78.4797, 0.2723, 0.3094

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.8857, 0.2969, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.4797, 0.2723, 0.3094 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(188, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(188, 237, 255)  
}
```

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(188, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 237, 255) }
```

Border

The CSS property to change the border of an element to Yxy 78.4797, 0.2723, 0.3094 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(188, 237, 255) }
```

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

```
.border{ border-color:rgb(188, 237, 255) }
```

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

Here you see how a box with a 4 pixel rgb(188, 237, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(188, 237,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 78.4797, 0.2723, 0.3094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 237, 255) }
```

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

```
.background{ background-color: rgb(188,  
237, 255) }
```

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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