

Converting Colors

$Yxy(78.0550, 0.2694, 0.3025)$

Have a look what the booklet for
Yxy(78.0550, 0.2694, 0.3025)
contains.

Yxy(77.9023, 0.2722, 0.3083)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.9023, 0.2722, 0.3083)

Conversions

Conversions Part 1

Format	Color
Hex	BCECFE
RGB	188, 236, 255
RGB Percent	74%, 93%, 100%
CMY	0.2628, 0.0745, 0.0001
CMYK	0.26, 0.07, 0.00, 0.00
HSL	197°, 100%, 87%
HSV	197°, 26%, 100%
XYZ	68.7804, 77.9023, 106.0007
YIQ	223.8140, -34.7070, -4.2670

Conversions

Conversions Part 2

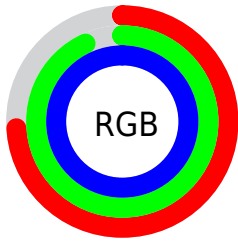
Format	Color
R _Y B	188, 216, 255
Decimal	12381439
CIE Lab	90.74, -11.17, -14.19
CIE LCh	91, 18.061, 231.797
Yxy	77.9023, 0.2722, 0.3083
Android (android.graphics.Color)	4290571519 (0xFFBCECFF)
YUV	223.8140, 15.3747, -31.4089
Hunter-Lab	88.2623, -15.3587, -9.4221

Details

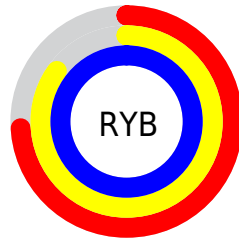
The Yxy color **77.9023, 0.2722, 0.3083** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.4966, 0.3644, 0.3488**, and the grayscale version is **74.3089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **41.7063, 0.2633, 0.3034** is the 20% darker color. If you saturate the color by 10%, you get **70.8732, 0.2575, 0.2991**, and if you desaturate by 10%, it is **85.6779, 0.2875, 0.3168**.

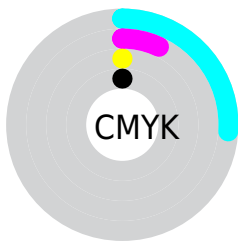
Distribution



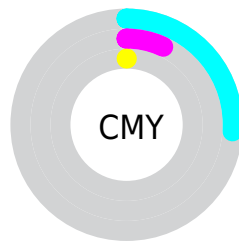
- Red (74%)
- Green (93%)
- Blue (100%)



- 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 77.9023, 0.2722, 0.3083 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 77.9023, 0.2722, 0.3083 by changing the saturation by 10% instead.


 77.9023, 0.2722,
0.3083

 77.9023, 0.2722,
0.3083

487.8350, 0.2905,
0.3180

 57.9937, 0.2682,
0.3061


 130.4124, 0.2784,
0.3117

 41.8036, 0.2632,
0.3033

163.7827, 0.2809,
0.3130

 28.9475, 0.2570,
0.2998


202.4090, 0.2830,
0.3141

 19.0411, 0.2491,
0.2952

246.6758, 0.2849,
0.3151

 11.7000, 0.2387,
0.2889

296.9674, 0.2865,
0.3160

 6.5398, 0.2242,
0.2799

353.6681, 0.2880,

 3.1760, 0.2030,

0.3167

0.2659

417.1626, 0.2893,
0.3174

■ 1.2243, 0.1692,
0.2418

■ 0.0814, 0.0000,
0.0697

■ 77.9023, 0.2722,
0.3083

■ 77.9023, 0.2722,
0.3083

■ 70.8732, 0.2575,
0.2991

■ 85.6779, 0.2875,
0.3168

■ 64.5491, 0.2437,
0.2893

■ 94.2203, 0.3030,
0.3245

■ 58.8983, 0.2312,
0.2790

99.9987, 0.3127,
0.3290

■ 53.8823, 0.2203,
0.2684

■ 49.4579, 0.2113,
0.2576

■ 45.5745, 0.2043,
0.2467

■ 42.1699, 0.1994,
0.2361

■ 40.9885, 0.1978,
0.2321

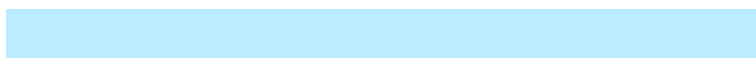
Harmonies

Analogous

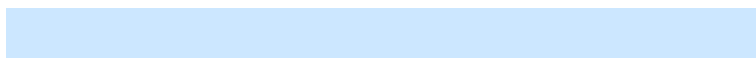
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.9023, 0.2776, 0.3265



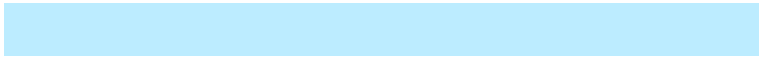
77.9023, 0.2722, 0.3083



77.9023, 0.2771, 0.2965

Triad

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



77.9023, 0.2722, 0.3083



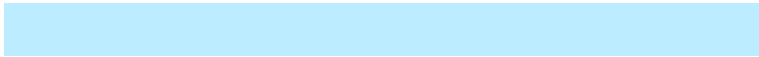
77.9023, 0.3329, 0.3124



77.9023, 0.3335, 0.3667

Complementary

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



77.9023, 0.2722, 0.3083



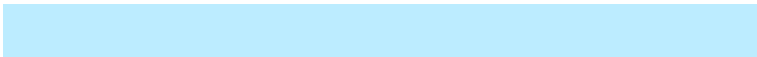
69.4966, 0.3644, 0.3488

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.



77.9023, 0.3492, 0.3613



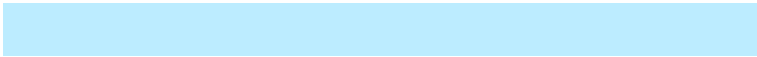
77.9023, 0.2722, 0.3083



77.9023, 0.3490, 0.3298

Square

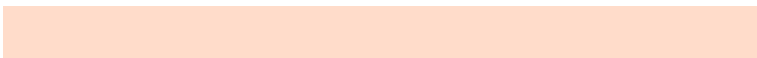
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



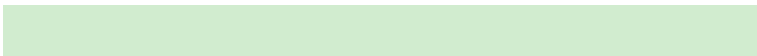
77.9023, 0.2722, 0.3083



77.9023, 0.3117, 0.2994



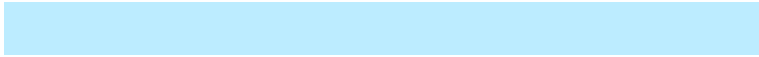
77.9023, 0.3550, 0.3476



77.9023, 0.3126, 0.3613

Rectangle

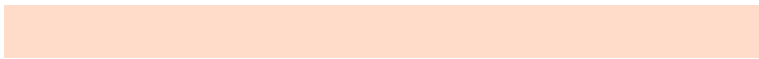
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.9023, 0.2722, 0.3083



77.9023, 0.2857, 0.2935



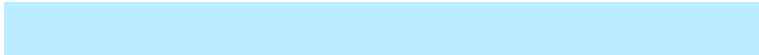
77.9023, 0.3550, 0.3476



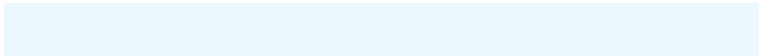
77.9023, 0.3396, 0.3660

Sweetspot

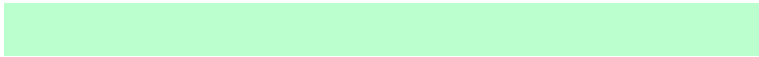
The Sweet Spot groups the original color and five complimentary colors.



77.9054, 0.2722, 0.3083



92.7030, 0.3003, 0.3232



86.6472, 0.2995, 0.3839



19.5608, 0.2980, 0.3221



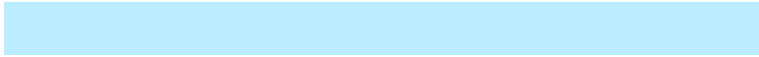
0.0000, 0.0000, 0.0000



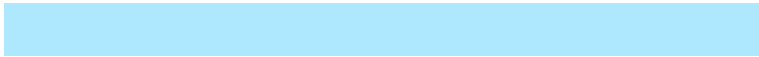
21.4041, 0.3127, 0.3290

Same Dimension

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



77.9054, 0.2722, 0.3083



73.8008, 0.2637, 0.3031



60.9176, 0.2687, 0.2715



19.5608, 0.2980, 0.3221



21.6879, 0.1983, 0.2339



2.2976, 0.2017, 0.2460

Inverse Universe

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



63.2776, 0.3300, 0.2809



57.1207, 0.3348, 0.2701



86.8250, 0.3562, 0.3806



18.2075, 0.3182, 0.3121



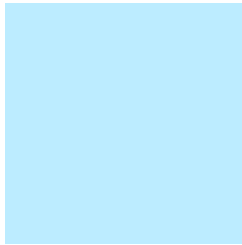
12.9174, 0.4086, 0.2024



1.2765, 0.3962, 0.1956

Previews

White Background



This preview shows how the Yxy color 77.9023, 0.2722, 0.3083 looks on a white background.

Color Contrast Check

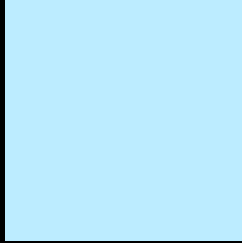
Large Text (above 18pt) WCAG AA × Fail

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 77.9023, 0.2722, 0.3083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

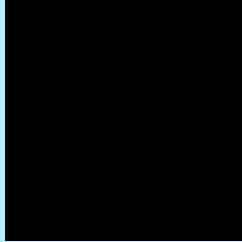
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.9023, 0.2722, 0.3083

Background



This preview shows how black text looks on a background with the Yxy color 77.9023, 0.2722, 0.3083.



This preview shows how white text looks on a background with the Yxy color 77.9023, 0.2722, 0.3083.

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

77.9023, 0.2722, 0.3083

Protanopia

77.4010, 0.2983, 0.3052

Deuteranopia

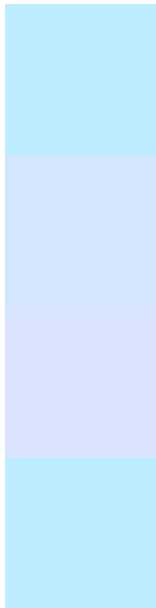
77.6575, 0.3006, 0.2966



Tritanopia

77.9023, 0.2722, 0.3083

Trichromacy



Original Color

77.9023, 0.2722, 0.3083

Protanomaly

77.5557, 0.2882, 0.3068

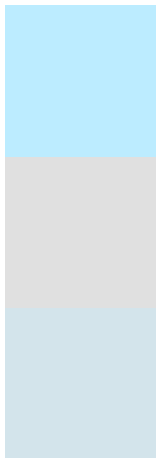
Deuteranomaly

77.6122, 0.2896, 0.3009

Tritanomaly

77.9023, 0.2722, 0.3083

Monochromacy



Original Color

77.9023, 0.2722, 0.3083

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.3338, 0.2969, 0.3214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.9023, 0.2722, 0.3083 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, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(188, 236, 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, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 236, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.9023, 0.2722, 0.3083 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, 236, 255) }
```

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

```
.border{ border-color:rgb(188, 236, 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, 236, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(188, 236,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 77.9023, 0.2722, 0.3083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 236, 255) }
```

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

```
.background{ background-color: rgb(188,  
236, 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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