

Converting Colors

$Yxy(78.4663, 0.2655, 0.3006)$

Have a look what the booklet for
Yxy(78.4663, 0.2655, 0.3006)
contains.

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Color

Yxy(77.8557, 0.2695, 0.3092)

Conversions

Conversions Part 1

Format	Color
Hex	B7EDFF
RGB	183, 237, 255
RGB Percent	72%, 93%, 100%
CMY	0.2825, 0.0706, 0.0000
CMYK	0.28, 0.07, 0.00, 0.00
HSL	195°, 100%, 86%
HSV	195°, 28%, 100%
XYZ	67.8594, 77.8557, 106.0822
YIQ	222.9060, -37.9620, -5.8500

Conversions

Conversions Part 2

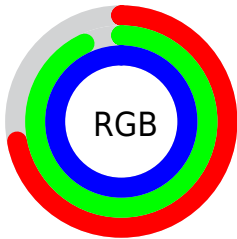
Format	Color
RYB	183, 214, 255
Decimal	12054015
CIELab	90.71, -13.09, -14.28
CIELCh	91, 19.373, 227.488
Yxy	77.8557, 0.2695, 0.3092
Android (android.graphics.Color)	4290244095 (0xFFB7EDFF)
YUV	222.9060, 15.8223, -34.9976
Hunter-Lab	88.2359, -17.1342, -9.5167

Details

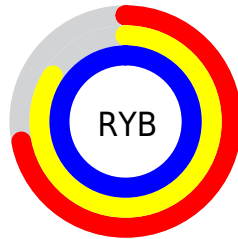
The Yxy color **77.8557, 0.2695, 0.3092** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.4296, 0.3700, 0.3479**, and the grayscale version is **73.6231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2653, 0.3035, 0.3290**, and **41.7142, 0.2601, 0.3046** is the 20% darker color. If you saturate the color by 10%, you get **71.3862, 0.2553, 0.3011**, and if you desaturate by 10%, it is **85.0251, 0.2845, 0.3168**.

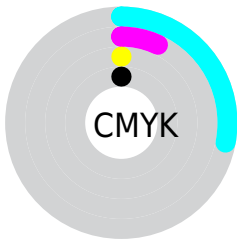
Distribution



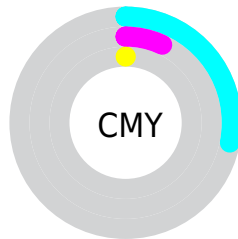
- Red (72%)
- Green (93%)
- Blue (100%)



- Red (72%)
- Yellow (84%)
- Blue (100%)



- Cyan (28%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (28%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8557, 0.2695, 0.3092 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 77.8557, 0.2695, 0.3092 by changing the saturation by 10% instead.

■ 77.8557, 0.2695,
0.3092

■ 77.8557, 0.2695,
0.3092

■ 487.6766, 0.2890,
0.3185

■ 57.9554, 0.2652,
0.3070

■ 130.3467, 0.2761,
0.3125

■ 41.7728, 0.2599,
0.3044

■ 163.7062, 0.2788,
0.3137

■ 28.9235, 0.2534,
0.3009

■ 202.3209, 0.2810,
0.3148

■ 19.0229, 0.2450,
0.2964

■ 246.5753, 0.2830,
0.3158

■ 11.6868, 0.2339,
0.2903

■ 296.8536, 0.2848,
0.3166

■ 6.5308, 0.2186,
0.2814

■ 353.5404, 0.2863,

■ 3.1705, 0.1962,

0.3173

0.2675

417.0199, 0.2877,
0.3180

1.2214, 0.1609,
0.2433

0.0790, 0.0000,
0.0676

77.8557, 0.2695,
0.3092

77.8557, 0.2695,
0.3092

71.3862, 0.2553,
0.3011

85.0251, 0.2845,
0.3168

65.5808, 0.2421,
0.2924

92.9202, 0.2999,
0.3238

60.4060, 0.2303,
0.2834

100.0000, 0.3127,
0.3290

55.8231, 0.2203,
0.2740

■ 51.7883, 0.2121,
0.2646

■ 48.2500, 0.2061,
0.2552

■ 45.1376, 0.2018,
0.2459

■ 44.6195, 0.2012,
0.2443

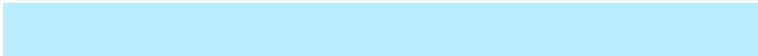
Harmonies

Analogous

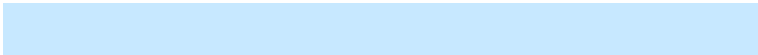
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8557, 0.2768, 0.3294



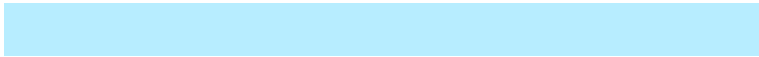
77.8557, 0.2695, 0.3092



77.8557, 0.2732, 0.2954

Triad

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



77.8557, 0.2695, 0.3092



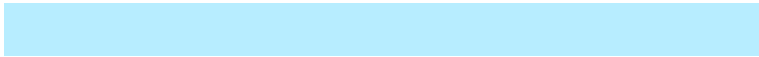
77.8557, 0.3313, 0.3089



77.8557, 0.3379, 0.3693

Complementary

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



77.8557, 0.2695, 0.3092



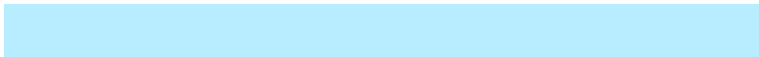
66.4296, 0.3700, 0.3479

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.



77.8557, 0.3535, 0.3619



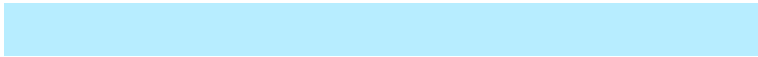
77.8557, 0.2695, 0.3092



77.8557, 0.3498, 0.3270

Square

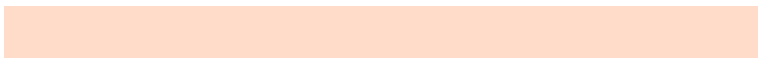
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



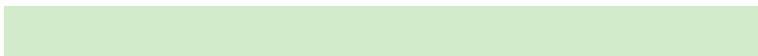
77.8557, 0.2695, 0.3092



77.8557, 0.3082, 0.2959



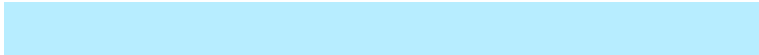
77.8557, 0.3580, 0.3462



77.8557, 0.3159, 0.3653

Rectangle

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



77.8557, 0.2695, 0.3092



77.8557, 0.2815, 0.2913



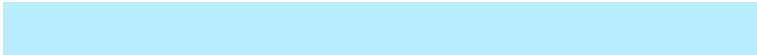
77.8557, 0.3580, 0.3462



77.8557, 0.3441, 0.3680

Sweetspot

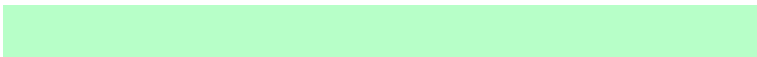
The Sweet Spot groups the original color and five complimentary colors.



77.8569, 0.2695, 0.3092



93.1265, 0.3003, 0.3239



85.7424, 0.2999, 0.3915



19.6679, 0.2980, 0.3229



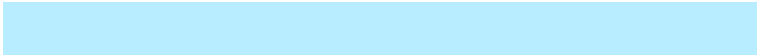
0.0000, 0.0000, 0.0000



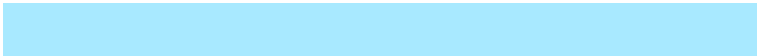
21.4041, 0.3127, 0.3290

Same Dimension

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



77.8569, 0.2695, 0.3092



74.0525, 0.2612, 0.3046



59.6057, 0.2653, 0.2693



19.6679, 0.2980, 0.3229



23.5640, 0.2016, 0.2458



2.4673, 0.2046, 0.2564

Inverse Universe

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



61.2273, 0.3297, 0.2749



55.2792, 0.3341, 0.2637



84.5478, 0.3604, 0.3823



18.2183, 0.3176, 0.3113



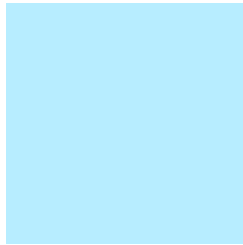
13.1068, 0.3964, 0.1957



1.2936, 0.3859, 0.1899

Previews

White Background



This preview shows how the Yxy color 77.8557, 0.2695, 0.3092 looks on a white background.

Color Contrast Check

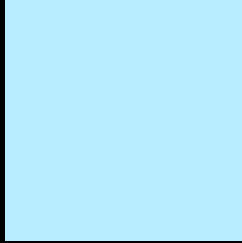
Large Text (above 18pt) WCAG AA × Fail

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 77.8557, 0.2695, 0.3092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

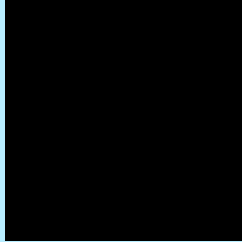
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.8557, 0.2695, 0.3092

Background



This preview shows how black text looks on a background with the Yxy color 77.8557, 0.2695, 0.3092.

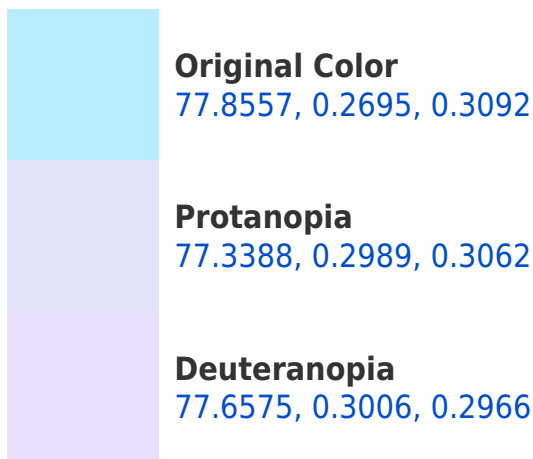


This preview shows how white text looks on a background with the Yxy color 77.8557, 0.2695, 0.3092.

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

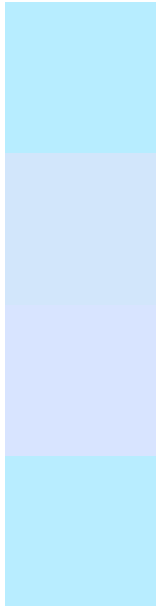




Tritanopia

78.1027, 0.2706, 0.3093

Trichromacy



Original Color

77.8557, 0.2695, 0.3092

Protanomaly

77.2603, 0.2869, 0.3067

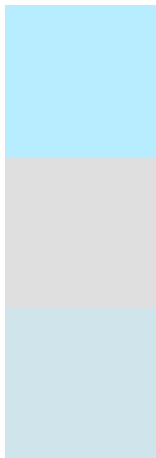
Deuteranomaly

77.3057, 0.2883, 0.3008

Tritanomaly

77.9787, 0.2701, 0.3093

Monochromacy



Original Color

77.8557, 0.2695, 0.3092

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

74.8949, 0.2950, 0.3213

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8557, 0.2695, 0.3092 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(183, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 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(183, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 237, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.8557, 0.2695, 0.3092 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(183, 237, 255) }
```

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

```
.border{ border-color:rgb(183, 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(183, 237, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 237,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 77.8557, 0.2695, 0.3092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 237, 255) }
```

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

```
.background{ background-color: rgb(183,  
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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