

Converting Colors

$Yxy(76.0506, 0.2782, 0.3022)$

Have a look what the booklet for
Yxy(76.0506, 0.2782, 0.3022)
contains.

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Color

Yxy(75.9557, 0.2780, 0.3021)

Conversions

Conversions Part 1

Format	Color
Hex	C7E6FF
RGB	199, 230, 255
RGB Percent	78%, 90%, 100%
CMY	0.2196, 0.0980, 0.0000
CMYK	0.22, 0.10, 0.00, 0.00
HSL	207°, 100%, 89%
HSV	207°, 22%, 100%
XYZ	69.8963, 75.9557, 105.5736
YIQ	223.5810, -26.5010, 1.2030

Conversions

Conversions Part 2

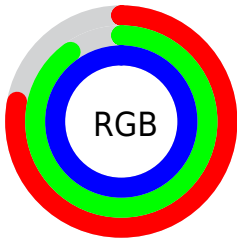
Format	Color
R _Y B	199, 219, 255
Decimal	13100799
CIE Lab	89.84, -4.89, -15.47
CIE LCh	90, 16.227, 252.457
Yxy	75.9557, 0.2780, 0.3021
Android (android.graphics.Color)	4291290879 (0xFFC7E6FF)
YUV	223.5810, 15.4896, -21.5575
Hunter-Lab	87.1526, -9.3600, -10.8151

Details

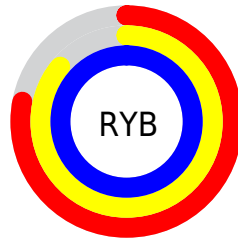
The Yxy color **75.9557, 0.2780, 0.3021** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.6777, 0.3523, 0.3545**, and the grayscale version is **74.1290, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.6665, 0.2702, 0.2968** is the 20% darker color. If you saturate the color by 10%, you get **66.6319, 0.2619, 0.2878**, and if you desaturate by 10%, it is **86.2832, 0.2940, 0.3151**.

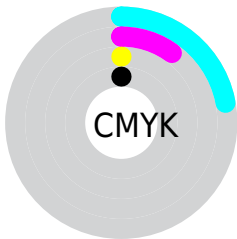
Distribution



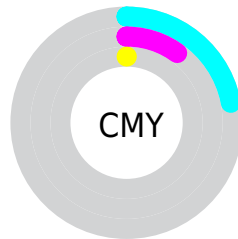
- Red (78%)
- Green (90%)
- Blue (100%)



- Red (78%)
- Yellow (86%)
- Blue (100%)



- Cyan (22%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.9557, 0.2780, 0.3021 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 75.9557, 0.2780, 0.3021 by changing the saturation by 10% instead.

■ 75.9557, 0.2780,
0.3021

■ 75.9557, 0.2780,
0.3021

481.1960, 0.2938,
0.3145

■ 56.3962, 0.2745,
0.2993

127.6643, 0.2834,
0.3064

■ 40.5207, 0.2702,
0.2958

160.5821, 0.2855,
0.3081

■ 27.9447, 0.2647,
0.2914

198.7216, 0.2874,
0.3095

■ 18.2840, 0.2578,
0.2857

242.4670, 0.2890,
0.3108

■ 11.1541, 0.2485,
0.2781

292.2027, 0.2904,
0.3119

■ 6.1706, 0.2355,
0.2671

348.3132, 0.2916,

■ 2.9491, 0.2162,

0.3129

0.2505

411.1828, 0.2928,
0.3137

1.1052, 0.1849,
0.2225

0.0000, 0.0000,
0.0000

75.9557, 0.2780,
0.3021

75.9557, 0.2780,
0.3021

66.6319, 0.2619,
0.2878

86.2832, 0.2940,
0.3151

58.2656, 0.2460,
0.2723

97.6399, 0.3097,
0.3269

50.8203, 0.2308,
0.2558

99.9992, 0.3127,
0.3290

44.2529, 0.2168,
0.2386

■ 38.5159, 0.2045,
0.2209

■ 33.5554, 0.1943,
0.2034

■ 29.3082, 0.1863,
0.1863

■ 26.3389, 0.1814,
0.1731

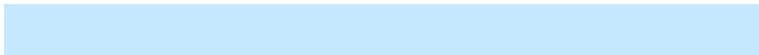
Harmonies

Analogous

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



75.9557, 0.2764, 0.3150



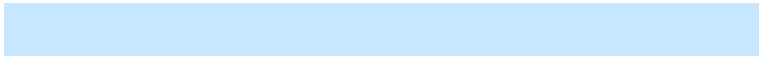
75.9557, 0.2780, 0.3021



75.9557, 0.2886, 0.2967

Triad

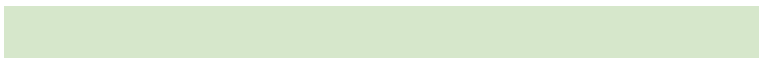
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.9557, 0.2780, 0.3021



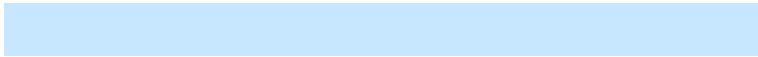
75.9557, 0.3418, 0.3246



75.9557, 0.3188, 0.3608

Complementary

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



75.9557, 0.2780, 0.3021



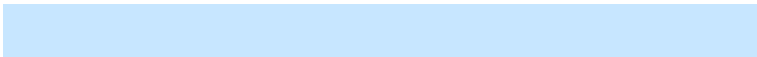
78.6777, 0.3523, 0.3545

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.



75.9557, 0.3368, 0.3626



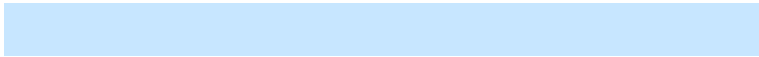
75.9557, 0.2780, 0.3021



75.9557, 0.3504, 0.3411

Square

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



75.9557, 0.2780, 0.3021



75.9557, 0.3253, 0.3097



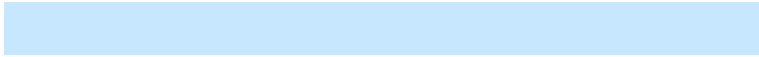
75.9557, 0.3485, 0.3551



75.9557, 0.2996, 0.3496

Rectangle

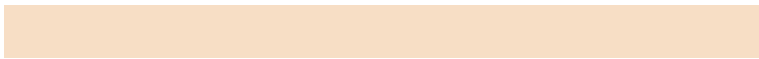
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.9557, 0.2780, 0.3021



75.9557, 0.2995, 0.2977



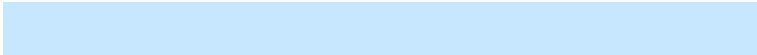
75.9557, 0.3485, 0.3551



75.9557, 0.3252, 0.3625

Sweetspot

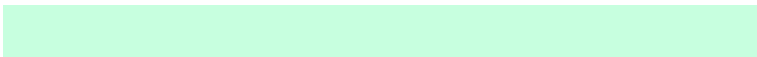
The Sweet Spot groups the original color and five complimentary colors.



75.9588, 0.2780, 0.3021



91.7945, 0.3019, 0.3211



88.9953, 0.2966, 0.3632



19.5015, 0.3009, 0.3204



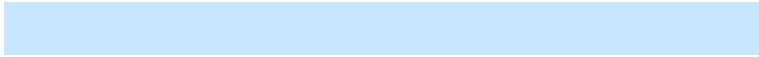
0.0000, 0.0000, 0.0000



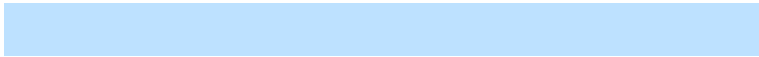
21.4041, 0.3127, 0.3290

Same Dimension

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



75.9588, 0.2780, 0.3021



72.0801, 0.2715, 0.2965



61.9430, 0.2757, 0.2716



19.0463, 0.2979, 0.3181



14.0668, 0.1822, 0.1758



1.5878, 0.1874, 0.1947

Inverse Universe

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



67.8151, 0.3335, 0.2978



62.9856, 0.3383, 0.2918



94.5350, 0.3467, 0.3806



18.1555, 0.3207, 0.3159



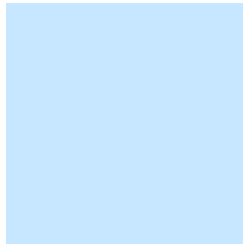
12.1480, 0.4736, 0.2383



1.2048, 0.4513, 0.2260

Previews

White Background



This preview shows how the Yxy color 75.9557, 0.2780, 0.3021 looks on a white background.

Color Contrast Check

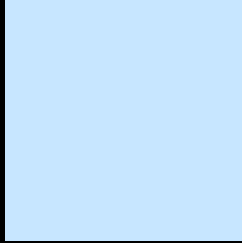
Large Text (above 18pt) WCAG AA × Fail

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 75.9557, 0.2780, 0.3021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

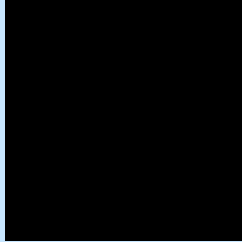
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

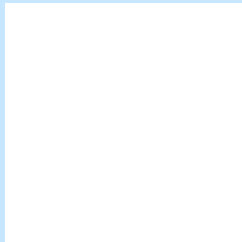
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.9557, 0.2780, 0.3021

Background



This preview shows how black text looks on a background with the Yxy color 75.9557, 0.2780, 0.3021.

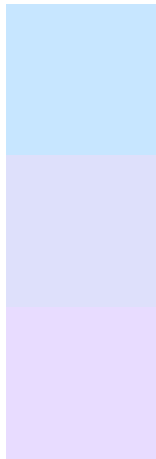


This preview shows how white text looks on a background with the Yxy color 75.9557, 0.2780, 0.3021.

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

75.9557, 0.2780, 0.3021

Protanopia

75.8059, 0.2944, 0.3008

Deuteranopia

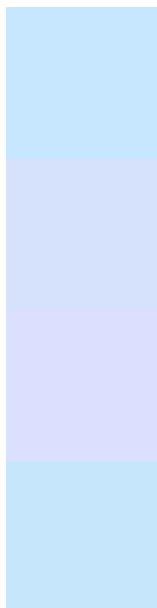
75.5622, 0.2986, 0.2933



Tritanopia

75.9971, 0.2808, 0.3094

Trichromacy



Original Color

75.9557, 0.2780, 0.3021

Protanomaly

75.7171, 0.2887, 0.3015

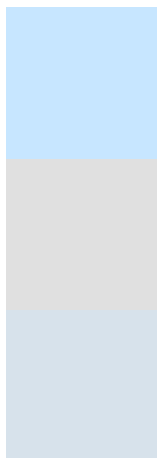
Deuteranomaly

75.7470, 0.2907, 0.2967

Tritanomaly

76.1226, 0.2797, 0.3073

Monochromacy



Original Color

75.9557, 0.2780, 0.3021

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

74.8379, 0.2996, 0.3193

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.9557, 0.2780, 0.3021 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(199, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 230, 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(199, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 230, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.9557, 0.2780, 0.3021 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(199, 230, 255) }
```

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

```
.border{ border-color:rgb(199, 230, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 230,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.9557, 0.2780, 0.3021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 230, 255) }
```

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

```
.background{ background-color: rgb(199,  
230, 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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