

Converting Colors

$Yxy(76.8900, 0.2466, 0.2370)$

Have a look what the booklet for
Yxy(76.8900, 0.2466, 0.2370)
contains.

Yxy(72.2747, 0.2780, 0.2944)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(72.2747, 0.2780, 0.2944)

Conversions

Conversions Part 1

Format	Color
Hex	C8DFFF
RGB	200, 223, 255
RGB Percent	78%, 87%, 100%
CMY	0.2159, 0.1254, 0.0000
CMYK	0.22, 0.13, 0.00, 0.00
HSL	215°, 100%, 89%
HSV	215°, 22%, 100%
XYZ	68.2485, 72.2747, 104.9751
YIQ	219.7710, -23.9800, 5.0760

Conversions

Conversions Part 2

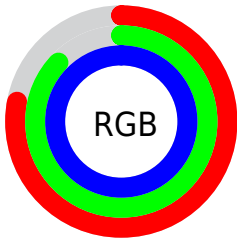
Format	Color
R _Y B	200, 216, 255
Decimal	13164543
CIE Lab	88.10, -0.97, -18.09
CIE LCh	88, 18.120, 266.919
Yxy	72.2747, 0.2780, 0.2944
Android (android.graphics.Color)	4291354623 (0xFFC8DFFF)
YUV	219.7710, 17.3679, -17.3392
Hunter-Lab	85.0145, -5.4780, -13.7005

Details

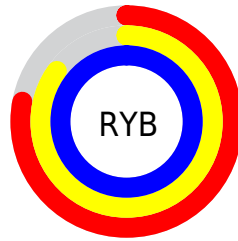
The Yxy color **72.2747, 0.2780, 0.2944** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.1029, 0.3500, 0.3613**, and the grayscale version is **71.2866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.1022, 0.2700, 0.2868** is the 20% darker color. If you saturate the color by 10%, you get **61.4804, 0.2609, 0.2756**, and if you desaturate by 10%, it is **84.3507, 0.2946, 0.3115**.

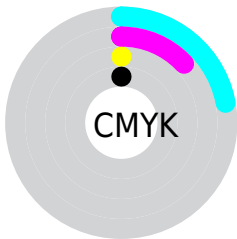
Distribution



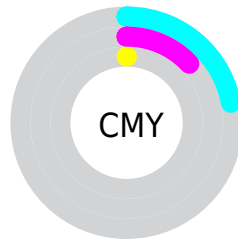
- Red (78%)
- Green (87%)
- Blue (100%)



- Red (78%)
- Yellow (85%)
- Blue (100%)



- Cyan (22%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.2747, 0.2780, 0.2944 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 72.2747, 0.2780, 0.2944 by changing the saturation by 10% instead.

■ 72.2747, 0.2780,
0.2944

■ 72.2747, 0.2780,
0.2944

468.4972, 0.2939,
0.3103

■ 53.3831, 0.2744,
0.2908

122.4470, 0.2835,
0.2999

■ 38.1087, 0.2700,
0.2863

154.4965, 0.2856,
0.3021

■ 26.0671, 0.2644,
0.2808

191.7007, 0.2875,
0.3039

■ 16.8738, 0.2572,
0.2735

234.4442, 0.2891,
0.3055

■ 10.1446, 0.2475,
0.2637

283.1111, 0.2905,
0.3069

■ 5.4949, 0.2339,
0.2499

338.0860, 0.2918,

■ 2.5405, 0.2134,

0.3082

0.2290

399.7532, 0.2929,
0.3093

0.8968, 0.1796,
0.1944

0.0000, 0.0000,
0.0000

72.2747, 0.2780,
0.2944

72.2747, 0.2780,
0.2944

61.4804, 0.2609,
0.2756

84.3507, 0.2946,
0.3115

51.9158, 0.2437,
0.2551

97.7472, 0.3103,
0.3267

43.5329, 0.2267,
0.2333

100.0000, 0.3127,
0.3290

36.2777, 0.2108,
0.2106

■ 30.0915, 0.1964,
0.1877

■ 24.9084, 0.1843,
0.1654

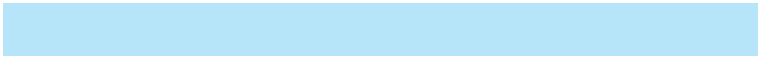
■ 20.6524, 0.1749,
0.1445

■ 17.7042, 0.1690,
0.1285

Harmonies

Analogous

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



72.2747, 0.2712, 0.3050



72.2747, 0.2780, 0.2944



72.2747, 0.2940, 0.2929

Triad

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



72.2747, 0.2780, 0.2944



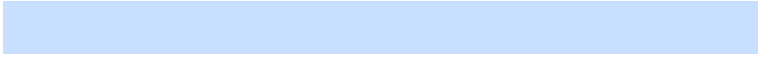
72.2747, 0.3519, 0.3330



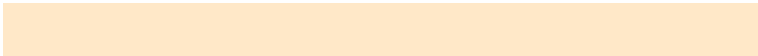
72.2747, 0.3088, 0.3603

Complementary

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



72.2747, 0.2780, 0.2944



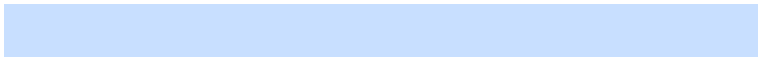
83.1029, 0.3500, 0.3613

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.



72.2747, 0.3307, 0.3677



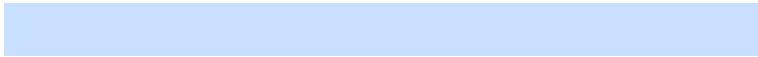
72.2747, 0.2780, 0.2944



72.2747, 0.3560, 0.3509

Square

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



72.2747, 0.2780, 0.2944



72.2747, 0.3369, 0.3148



72.2747, 0.3481, 0.3639



72.2747, 0.2886, 0.3435

Rectangle

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



72.2747, 0.2780, 0.2944



72.2747, 0.3080, 0.2970



72.2747, 0.3481, 0.3639



72.2747, 0.3162, 0.3640

Sweetspot

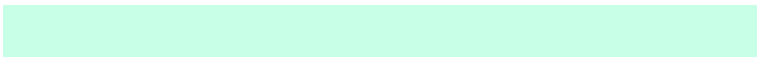
The Sweet Spot groups the original color and five complimentary colors.



72.2765, 0.2780, 0.2944



91.6719, 0.3035, 0.3202



89.5700, 0.2929, 0.3545



19.4338, 0.3024, 0.3192



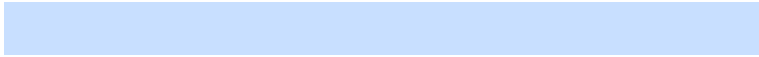
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



72.2765, 0.2780, 0.2944



67.3591, 0.2705, 0.2863



61.2885, 0.2786, 0.2690



18.6285, 0.2979, 0.3148



9.5301, 0.1699, 0.1315



1.1381, 0.1760, 0.1537

Inverse Universe

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



67.8735, 0.3387, 0.3057



62.5090, 0.3455, 0.3007



96.2583, 0.3430, 0.3835



18.1134, 0.3228, 0.3191



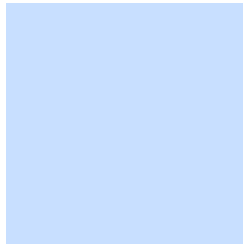
11.6900, 0.5306, 0.2697



1.1594, 0.5012, 0.2535

Previews

White Background



This preview shows how the Yxy color 72.2747, 0.2780, 0.2944 looks on a white background.

Color Contrast Check

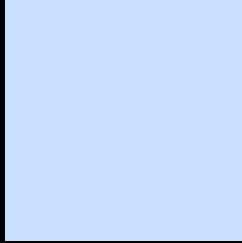
Large Text (above 18pt) WCAG AA × Fail

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 72.2747, 0.2780, 0.2944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

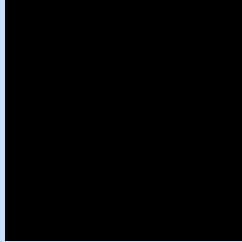
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

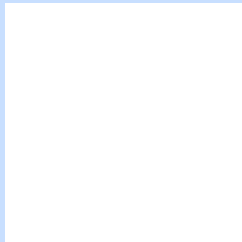
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.2747, 0.2780, 0.2944

Background



This preview shows how black text looks on a background with the Yxy color 72.2747, 0.2780, 0.2944.



This preview shows how white text looks on a background with the Yxy color 72.2747, 0.2780, 0.2944.

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

72.2747, 0.2780, 0.2944

Protanopia

72.1384, 0.2891, 0.2940

Deuteranopia

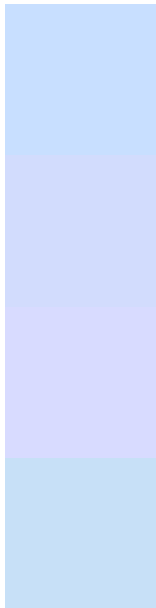
72.3393, 0.2938, 0.2886



Tritanopia

72.3273, 0.2838, 0.3091

Trichromacy



Original Color

72.2747, 0.2780, 0.2944

Protanomaly

71.9799, 0.2853, 0.2938

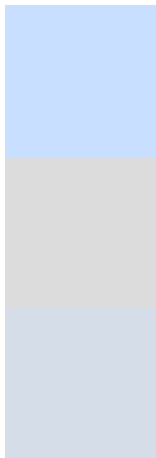
Deuteranomaly

72.4820, 0.2880, 0.2911

Tritanomaly

72.1688, 0.2820, 0.3038

Monochromacy



Original Color

72.2747, 0.2780, 0.2944

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

71.7422, 0.2994, 0.3159

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.2747, 0.2780, 0.2944 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(200, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 223, 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(200, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 223, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.2747, 0.2780, 0.2944 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(200, 223, 255) }
```

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

```
.border{ border-color:rgb(200, 223, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 223,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.2747, 0.2780, 0.2944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 223, 255) }
```

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

```
.background{ background-color: rgb(200,  
223, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor