

Converting Colors

$Yxy(76.9713, 0.2860, 0.3010)$

Have a look what the booklet for
Yxy(76.9713, 0.2860, 0.3010)
contains.

Yxy(76.7039, 0.2858, 0.3005)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(76.7039, 0.2858, 0.3005)

Conversions

Conversions Part 1

Format	Color
Hex	D4E4FF
RGB	212, 228, 255
RGB Percent	83%, 89%, 100%
CMY	0.1686, 0.1059, 0.0000
CMYK	0.17, 0.11, 0.00, 0.00
HSL	218°, 100%, 92%
HSV	218°, 17%, 100%
XYZ	72.9517, 76.7039, 105.5987
YIQ	226.2940, -18.2030, 5.0050

Conversions

Conversions Part 2

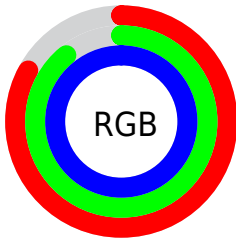
Format	Color
R _Y B	212, 224, 255
Decimal	13952255
CIE Lab	90.19, 0.10, -14.89
CIE LCh	90, 14.891, 270.378
Yxy	76.7039, 0.2858, 0.3005
Android (android.graphics.Color)	4292142335 (0xFFD4E4FF)
YUV	226.2940, 14.1521, -12.5358
Hunter-Lab	87.5808, -4.5822, -10.1811

Details

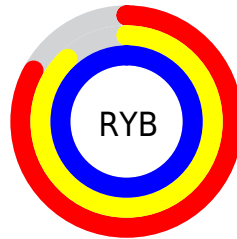
The Yxy color **76.7039, 0.2858, 0.3005** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **87.7558, 0.3407, 0.3559**, and the grayscale version is **76.1838, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.1325, 0.2799, 0.2949** is the 20% darker color. If you saturate the color by 10%, you get **64.8006, 0.2687, 0.2810**, and if you desaturate by 10%, it is **90.0237, 0.3021, 0.3181**.

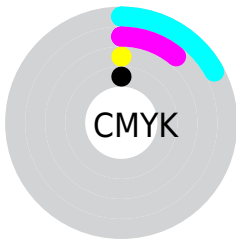
Distribution



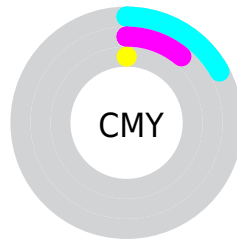
- Red (83%)
- Green (89%)
- Blue (100%)



- Red (83%)
- Yellow (88%)
- Blue (100%)



- Cyan (17%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.7039, 0.2858, 0.3005 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 76.7039, 0.2858, 0.3005 by changing the saturation by 10% instead.

■ 76.7039, 0.2858,
0.3005

■ 76.7039, 0.2858,
0.3005

483.7539, 0.2981,
0.3135

■ 57.0099, 0.2830,
0.2976

128.7214, 0.2900,
0.3050

■ 41.0132, 0.2797,
0.2940

161.8137, 0.2917,
0.3067

■ 28.3294, 0.2754,
0.2895

200.1409, 0.2931,
0.3082

■ 18.5741, 0.2699,
0.2837

244.0874, 0.2943,
0.3095

■ 11.3629, 0.2626,
0.2760

294.0375, 0.2954,
0.3107

■ 6.3115, 0.2523,
0.2650

350.3757, 0.2964,

■ 3.0354, 0.2368,

0.3117

0.2487

413.4864, 0.2973,
0.3127

■ 1.1502, 0.2111,
0.2216

■ 0.0205, 0.0197,
0.0185

■ 76.7039, 0.2858,
0.3005

■ 76.7039, 0.2858,
0.3005

■ 64.8006, 0.2687,
0.2810

■ 90.0237, 0.3021,
0.3181

■ 54.2615, 0.2510,
0.2596

100.0000, 0.3127,
0.3290

■ 45.0339, 0.2333,
0.2365

■ 37.0608, 0.2162,
0.2123

■ 30.2801, 0.2004,
0.1877

■ 24.6235, 0.1865,
0.1635

■ 20.0138, 0.1754,
0.1408

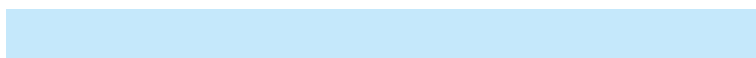
■ 16.3587, 0.1673,
0.1206

■ 15.3727, 0.1652,
0.1148

Harmonies

Analogous

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



76.7039, 0.2793, 0.3085



76.7039, 0.2858, 0.3005



76.7039, 0.2995, 0.3001

Triad

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



76.7039, 0.2858, 0.3005



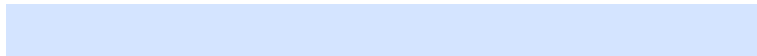
76.7039, 0.3451, 0.3341



76.7039, 0.3076, 0.3528

Complementary

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



76.7039, 0.2858, 0.3005



87.7558, 0.3407, 0.3559

Split Complementary

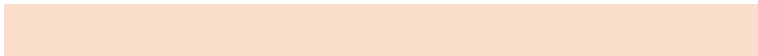
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.7039, 0.3253, 0.3598



76.7039, 0.2858, 0.3005



76.7039, 0.3473, 0.3483

Square

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



76.7039, 0.2858, 0.3005



76.7039, 0.3339, 0.3191



76.7039, 0.3400, 0.3579



76.7039, 0.2916, 0.3388

Rectangle

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



76.7039, 0.2858, 0.3005



76.7039, 0.3111, 0.3039



76.7039, 0.3400, 0.3579



76.7039, 0.3136, 0.3560

Sweetspot

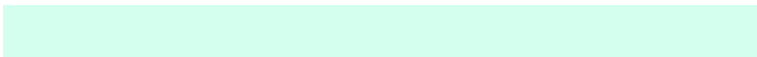
The Sweet Spot groups the original color and five complimentary colors.



76.7046, 0.2858, 0.3005



92.6577, 0.3050, 0.3211



91.7227, 0.2959, 0.3461



19.6180, 0.3039, 0.3200



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.



76.7046, 0.2858, 0.3005



72.8139, 0.2805, 0.2946



69.0694, 0.2883, 0.2836



18.4842, 0.2979, 0.3136



8.2941, 0.1661, 0.1178



1.0085, 0.1723, 0.1403

Inverse Universe

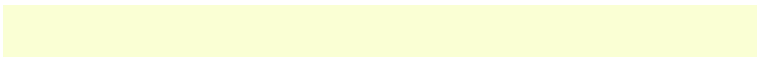
The Inverse Universe completely reimagines the original color for something new.



73.9547, 0.3335, 0.3130



69.7715, 0.3382, 0.3099



96.5953, 0.3348, 0.3715



18.0988, 0.3236, 0.3202



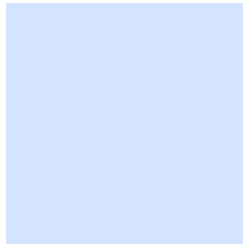
11.5653, 0.5498, 0.2802



1.1464, 0.5187, 0.2631

Previews

White Background



This preview shows how the Yxy color 76.7039, 0.2858, 0.3005 looks on a white background.

Color Contrast Check

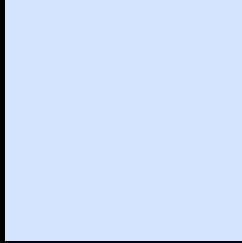
Large Text (above 18pt) WCAG AA × Fail

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 76.7039, 0.2858, 0.3005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

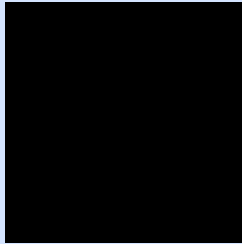
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

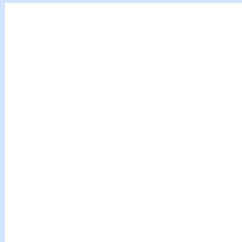
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.7039, 0.2858, 0.3005

Background



This preview shows how black text looks on a background with the Yxy color 76.7039, 0.2858, 0.3005.



This preview shows how white text looks on a background with the Yxy color 76.7039, 0.2858, 0.3005.

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

76.7039, 0.2858, 0.3005

Protanopia

76.6303, 0.2939, 0.2999

Deuteranopia

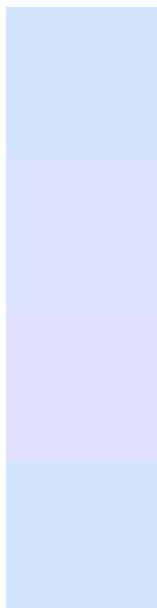
76.4253, 0.2999, 0.2945



Tritanopia

76.6029, 0.2898, 0.3098

Trichromacy



Original Color

76.7039, 0.2858, 0.3005

Protanomaly

76.6085, 0.2907, 0.2998

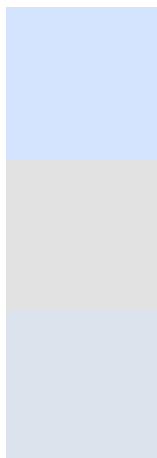
Deuteranomaly

76.7001, 0.2946, 0.2971

Tritanomaly

76.7896, 0.2881, 0.3067

Monochromacy



Original Color

76.7039, 0.2858, 0.3005

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.4247, 0.3023, 0.3184

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7039, 0.2858, 0.3005 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(212, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 228, 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(212, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 228, 255) }
```

Border

The CSS property to change the border of an element to Yxy 76.7039, 0.2858, 0.3005 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(212, 228, 255) }
```

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

```
.border{ border-color:rgb(212, 228, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 228,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7039, 0.2858, 0.3005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 228, 255) }
```

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

```
.background{ background-color: rgb(212,  
228, 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