

Converting Colors

$Y_{xy}(78.4243, 0.2869, 0.3070)$

Have a look what the booklet for
Yxy(78.4243, 0.2869, 0.3070)
contains.

Yxy(78.5904, 0.2871, 0.3079)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.5904, 0.2871, 0.3079)

Conversions

Conversions Part 1

Format	Color
Hex	D3E8FC
RGB	211, 232, 252
RGB Percent	83%, 91%, 99%
CMY	0.1726, 0.0901, 0.0119
CMYK	0.16, 0.08, 0.00, 0.01
HSL	209°, 87%, 91%
HSV	209°, 16%, 99%
XYZ	73.2813, 78.5904, 103.3748
YIQ	228.0010, -18.9360, 1.7680

Conversions

Conversions Part 2

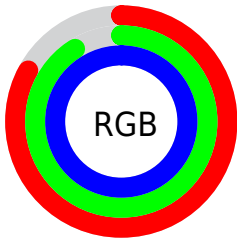
Format	Color
R _Y B	211, 225, 252
Decimal	13887740
CIE Lab	91.05, -2.94, -12.00
CIE LCh	91, 12.356, 256.257
Yxy	78.5904, 0.2871, 0.3079
Android (android.graphics.Color)	4292077820 (0xFFD3E8FC)
YUV	228.0010, 11.8315, -14.9099
Hunter-Lab	88.6512, -7.5872, -7.0813

Details

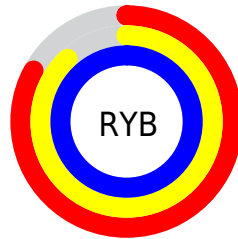
The Yxy color **78.5904, 0.2871, 0.3079** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.5027, 0.3405, 0.3492**, and the grayscale version is **77.5041, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.0587, 0.2815, 0.3029** is the 20% darker color. If you saturate the color by 10%, you get **68.4939, 0.2708, 0.2930**, and if you desaturate by 10%, it is **89.7585, 0.3030, 0.3213**.

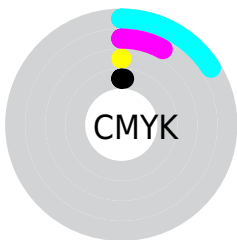
Distribution



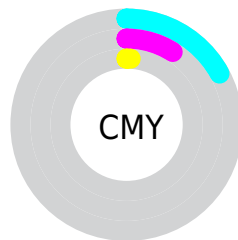
- Red (83%)
- Green (91%)
- Blue (99%)



- Red (83%)
- Yellow (88%)
- Blue (99%)



- Cyan (16%)
- Magenta (8%)
- Yellow (0%)
- Black (1%)



- Cyan (17%)
- Magenta (9%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.5904, 0.2871, 0.3079 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 78.5904, 0.2871, 0.3079 by changing the saturation by 10% instead.

■ 78.5904, 0.2871,
0.3079

■ 78.5904, 0.2871,
0.3079

490.1696, 0.2987,
0.3176

■ 58.5591, 0.2845,
0.3057

131.3821, 0.2911,
0.3112

■ 42.2583, 0.2813,
0.3030

164.9112, 0.2926,
0.3125

■ 29.3036, 0.2773,
0.2997

203.7085, 0.2940,
0.3137

■ 19.3106, 0.2722,
0.2953

248.1582, 0.2952,
0.3146

■ 11.8949, 0.2654,
0.2894

298.6447, 0.2962,
0.3155

■ 6.6722, 0.2558,
0.2811

355.5526, 0.2971,

■ 3.2579, 0.2414,

0.3163

0.2685

419.2661, 0.2980,
0.3169

■ 1.2678, 0.2177,
0.2472

■ 0.1161, 0.0345,
0.1036

■ 78.5904, 0.2871,
0.3079

■ 78.5904, 0.2871,
0.3079

■ 68.4939, 0.2708,
0.2930

■ 89.7585, 0.3030,
0.3213

■ 59.4224, 0.2544,
0.2768

99.8063, 0.3145,
0.3319

■ 51.3398, 0.2383,
0.2593

■ 44.2038, 0.2230,
0.2408

■ 37.9683, 0.2091,
0.2217

■ 32.5819, 0.1970,
0.2024

■ 27.9862, 0.1872,
0.1835

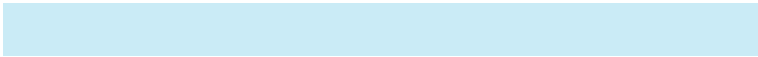
■ 24.1106, 0.1799,
0.1655

■ 22.8135, 0.1775,
0.1591

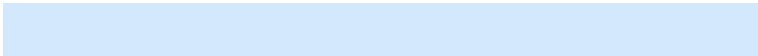
Harmonies

Analogous

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



78.5904, 0.2850, 0.3171



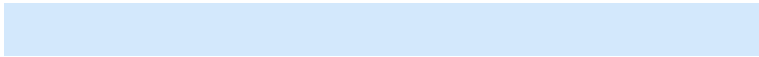
78.5904, 0.2871, 0.3079



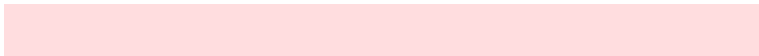
78.5904, 0.2959, 0.3045

Triad

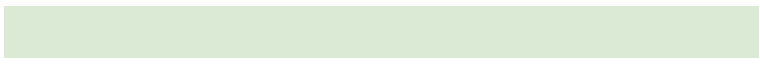
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.5904, 0.2871, 0.3079



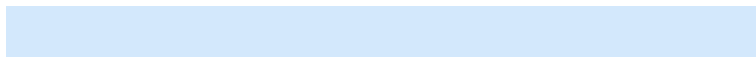
78.5904, 0.3358, 0.3274



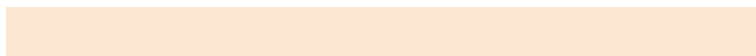
78.5904, 0.3155, 0.3520

Complementary

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



78.5904, 0.2871, 0.3079



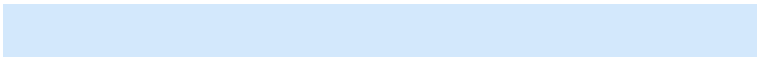
82.5027, 0.3405, 0.3492

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.



78.5904, 0.3294, 0.3544



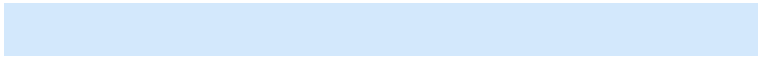
78.5904, 0.2871, 0.3079



78.5904, 0.3413, 0.3398

Square

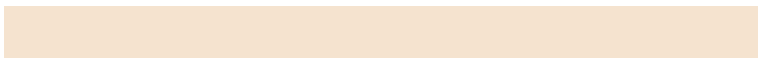
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.5904, 0.2871, 0.3079



78.5904, 0.3240, 0.3156



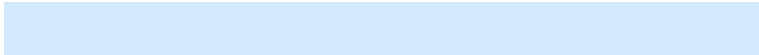
78.5904, 0.3389, 0.3498



78.5904, 0.3012, 0.3429

Rectangle

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



78.5904, 0.2871, 0.3079



78.5904, 0.3046, 0.3057



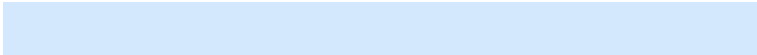
78.5904, 0.3389, 0.3498



78.5904, 0.3204, 0.3536

Sweetspot

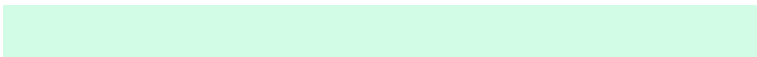
The Sweet Spot groups the original color and five complimentary colors.



78.5936, 0.2871, 0.3079



93.7657, 0.3050, 0.3229



89.2036, 0.2995, 0.3513



19.8871, 0.3039, 0.3220



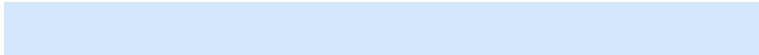
0.0000, 0.0000, 0.0000



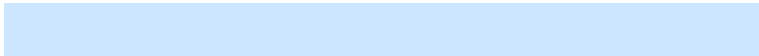
21.4041, 0.3127, 0.3290

Same Dimension

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



78.5936, 0.2871, 0.3079



76.7495, 0.2810, 0.3025



67.7879, 0.2861, 0.2857



18.1164, 0.2980, 0.3172



12.1837, 0.1783, 0.1620



1.3407, 0.1842, 0.1832

Inverse Universe

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



73.0929, 0.3285, 0.3078



70.1689, 0.3328, 0.3027



94.5639, 0.3373, 0.3689



17.3740, 0.3213, 0.3169



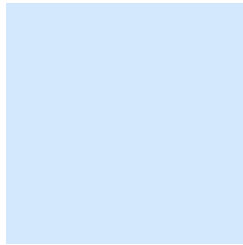
11.6408, 0.4906, 0.2476



1.0996, 0.4648, 0.2334

Previews

White Background



This preview shows how the Yxy color 78.5904, 0.2871, 0.3079 looks on a white background.

Color Contrast Check

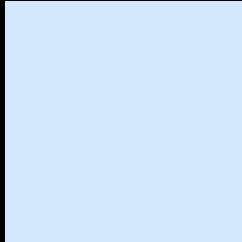
Large Text (above 18pt) WCAG AA × Fail

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 78.5904, 0.2871, 0.3079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

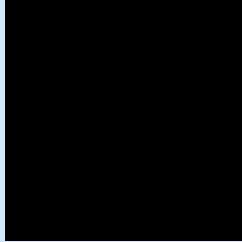
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

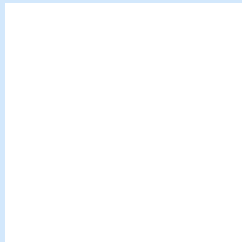
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.5904, 0.2871, 0.3079

Background



This preview shows how black text looks on a background with the Yxy color 78.5904, 0.2871, 0.3079.

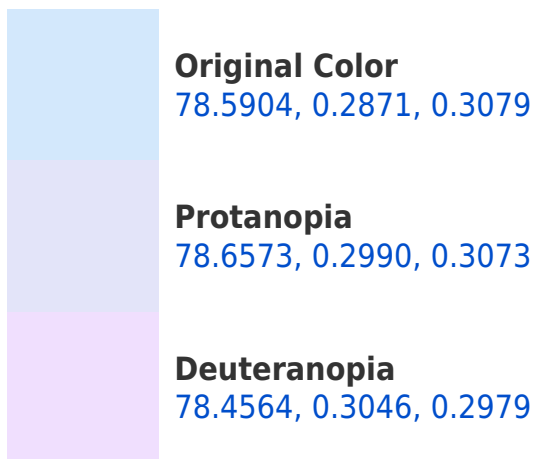


This preview shows how white text looks on a background with the Yxy color 78.5904, 0.2871, 0.3079.

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

78.5271, 0.2877, 0.3089

Trichromacy



Original Color

78.5904, 0.2871, 0.3079

Protanomaly

78.3129, 0.2945, 0.3071

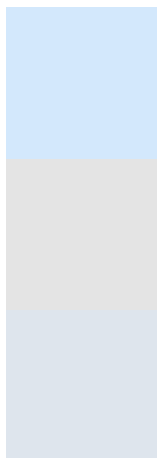
Deuteranomaly

78.1426, 0.2978, 0.3013

Tritanomaly

78.5271, 0.2877, 0.3089

Monochromacy



Original Color

78.5904, 0.2871, 0.3079

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.6826, 0.3030, 0.3205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.5904, 0.2871, 0.3079 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(211, 232, 252)` looks like.

```
.text, #text, p{  
    color:rgb(211, 232, 252)  
}
```

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(211, 232, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 232, 252) }
```

Border

The CSS property to change the border of an element to Yxy 78.5904, 0.2871, 0.3079 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(211, 232, 252) }
```

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

```
.border{ border-color:rgb(211, 232, 252) }
```

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

Here you see how a box with a 4 pixel rgb(211, 232, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 232, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 232, 252);  
box-shadow:4px 4px 4px 4px rgb(211, 232,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 78.5904, 0.2871, 0.3079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 232, 252) }
```

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

```
.background{ background-color: rgb(211,  
232, 252) }
```

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