

Converting Colors

$Yxy(76.9903, 0.2956, 0.3069)$

Have a look what the booklet for
Yxy(76.9903, 0.2956, 0.3069)
contains.

Yxy(77.0876, 0.2956, 0.3070)	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(77.0876, 0.2956, 0.3070)

Conversions

Conversions Part 1

Format	Color
Hex	DDE3F8
RGB	221, 227, 248
RGB Percent	87%, 89%, 97%
CMY	0.1335, 0.1098, 0.0274
CMYK	0.11, 0.08, 0.00, 0.03
HSL	227°, 66%, 92%
HSV	227°, 11%, 97%
XYZ	74.2251, 77.0876, 99.7870
YIQ	227.6000, -10.3170, 5.2590

Conversions

Conversions Part 2

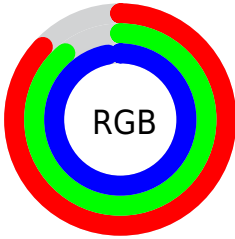
Format	Color
R _{YB}	221, 226, 248
Decimal	14541816
CIE Lab	90.36, 1.98, -10.89
CIE LCh	90, 11.065, 280.332
Yxy	77.0876, 0.2956, 0.3070
Android (android.graphics.Color)	4292731896 (0xFFDDE3F8)
YUV	227.6000, 10.0572, -5.7882
Hunter-Lab	87.7995, -2.7467, -5.9253

Details

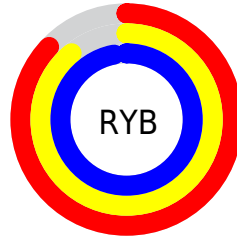
The Yxy color `77.0876, 0.2956, 0.3070` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `88.6649, 0.3297, 0.3501`, and the grayscale version is `77.2056, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `41.4178, 0.2916, 0.3020` is the 20% darker color. If you saturate the color by 10%, you get `63.5291, 0.2784, 0.2841`, and if you desaturate by 10%, it is `92.4059, 0.3114, 0.3273`.

Distribution



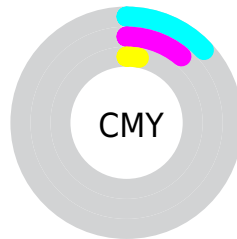
- Red (87%)
- Green (89%)
- Blue (97%)



- Red (87%)
- Yellow (89%)
- Blue (97%)



- Cyan (11%)
- Magenta (8%)
- Yellow (0%)
- Black (3%)



- Cyan (13%)
- Magenta (11%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.0876, 0.2956, 0.3070 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 77.0876, 0.2956, 0.3070 by changing the saturation by 10% instead.

■ 77.0876, 0.2956,
0.3070

■ 77.0876, 0.2956,
0.3070

485.0627, 0.3034,
0.3170

■ 57.3248, 0.2938,
0.3048

129.2631, 0.2983,
0.3104

■ 41.2660, 0.2917,
0.3020

162.4446, 0.2994,
0.3118

■ 28.5270, 0.2889,
0.2985

200.8678, 0.3003,
0.3130

■ 18.7233, 0.2854,
0.2941

244.9170, 0.3011,
0.3140

■ 11.4705, 0.2806,
0.2881

294.9768, 0.3018,
0.3149

■ 6.3843, 0.2738,
0.2796

351.4313, 0.3024,

■ 3.0801, 0.2634,

0.3157

0.2669

414.6652, 0.3029,
0.3164

■ 1.1737, 0.2457,
0.2454

■ 0.0401, 0.0929,
0.0430

■ 77.0876, 0.2956,
0.3070

■ 77.0876, 0.2956,
0.3070

■ 63.5291, 0.2784,
0.2841

■ 92.4059, 0.3114,
0.3273

■ 51.6569, 0.2600,
0.2588

■ 99.5584, 0.3168,
0.3357

■ 41.4065, 0.2409,
0.2312

■ 32.7058, 0.2215,
0.2021

■ 25.4764, 0.2029,
0.1726

■ 19.6334, 0.1861,
0.1441

■ 15.0820, 0.1722,
0.1182

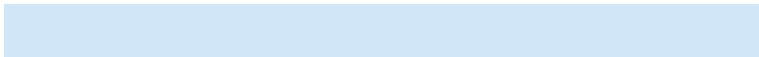
■ 11.7142, 0.1620,
0.0965

■ 9.5529, 0.1559,
0.0812

Harmonies

Analogous

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



77.0876, 0.2887, 0.3113



77.0876, 0.2956, 0.3070



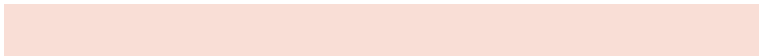
77.0876, 0.3071, 0.3085

Triad

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



77.0876, 0.2956, 0.3070



77.0876, 0.3380, 0.3367



77.0876, 0.3048, 0.3435

Complementary

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



77.0876, 0.2956, 0.3070



88.6649, 0.3297, 0.3501

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.



77.0876, 0.3179, 0.3506



77.0876, 0.2956, 0.3070



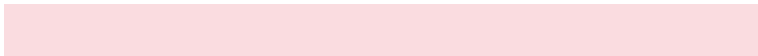
77.0876, 0.3373, 0.3463

Square

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



77.0876, 0.2956, 0.3070



77.0876, 0.3318, 0.3253



77.0876, 0.3298, 0.3516



77.0876, 0.2939, 0.3323

Rectangle

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



77.0876, 0.2956, 0.3070



77.0876, 0.3160, 0.3124



77.0876, 0.3298, 0.3516



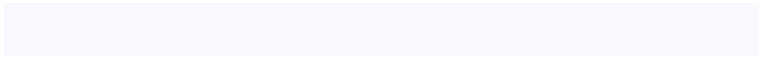
77.0876, 0.3090, 0.3465

Sweetspot

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



77.0908, 0.2956, 0.3070



94.8464, 0.3082, 0.3232



88.9054, 0.2995, 0.3355



20.0125, 0.3069, 0.3217



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.



77.0908, 0.2956, 0.3070



78.9087, 0.2921, 0.3024



74.9971, 0.3004, 0.3010



17.2722, 0.2979, 0.3100



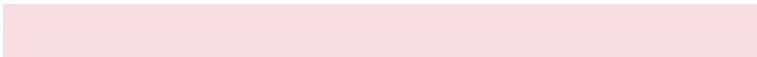
5.3300, 0.1566, 0.0836



0.6446, 0.1624, 0.1046

Inverse Universe

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



77.2017, 0.3281, 0.3229



79.0946, 0.3315, 0.3217



91.0303, 0.3242, 0.3564



17.2887, 0.3259, 0.3237



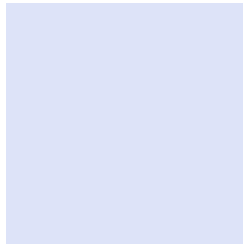
10.9490, 0.6013, 0.3086



1.0293, 0.5689, 0.2908

Previews

White Background



This preview shows how the Yxy color 77.0876, 0.2956, 0.3070 looks on a white background.

Color Contrast Check

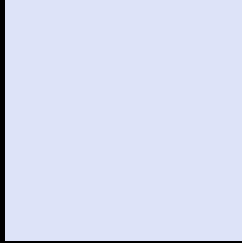
Large Text (above 18pt) WCAG AA × Fail

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 77.0876, 0.2956, 0.3070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

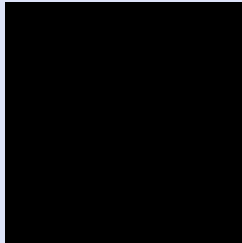
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

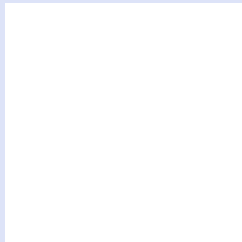
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.0876, 0.2956, 0.3070

Background



This preview shows how black text looks on a background with the Yxy color 77.0876, 0.2956, 0.3070.

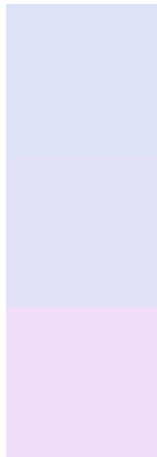


This preview shows how white text looks on a background with the Yxy color 77.0876, 0.2956, 0.3070.

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

77.0876, 0.2956, 0.3070

Protanopia

77.1157, 0.2989, 0.3071

Deuteranopia

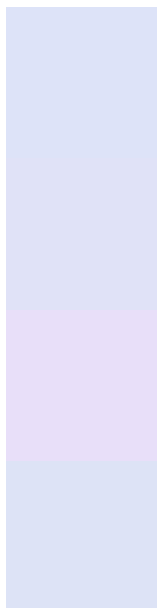
76.9032, 0.3071, 0.3007



Tritanopia

76.9029, 0.2974, 0.3101

Trichromacy



Original Color

77.0876, 0.2956, 0.3070

Protanomaly

76.9554, 0.2982, 0.3071

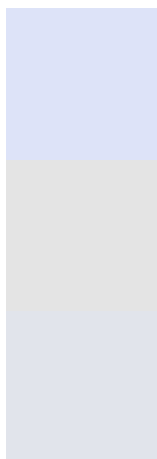
Deuteranomaly

76.7707, 0.3023, 0.3023

Tritanomaly

76.9641, 0.2968, 0.3090

Monochromacy



Original Color

77.0876, 0.2956, 0.3070

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.4925, 0.3062, 0.3216

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.0876, 0.2956, 0.3070 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(221, 227, 248)` looks like.

```
.text, #text, p{  
    color:rgb(221, 227, 248)  
}
```

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(221, 227, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 227, 248) }
```

Border

The CSS property to change the border of an element to Yxy 77.0876, 0.2956, 0.3070 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(221, 227, 248) }
```

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

```
.border{ border-color:rgb(221, 227, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 227, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 227, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 227, 248);  
box-shadow:4px 4px 4px 4px rgb(221, 227,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 77.0876, 0.2956, 0.3070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 227, 248) }
```

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

```
.background{ background-color: rgb(221,  
227, 248) }
```

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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