

Converting Colors

$Yxy(77.8180, 0.2984, 0.3176)$

Have a look what the booklet for
Yxy(77.8180, 0.2984, 0.3176)
contains.

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Color

Yxy(77.8499, 0.2979, 0.3173)

Conversions

Conversions Part 1

Format	Color
Hex	DAE6F1
RGB	218, 230, 241
RGB Percent	85%, 90%, 95%
CMY	0.1451, 0.0980, 0.0548
CMYK	0.10, 0.05, 0.00, 0.05
HSL	209°, 45%, 90%
HSV	209°, 10%, 95%
XYZ	73.0901, 77.8499, 94.4111
YIQ	227.6660, -10.6830, 0.8770

Conversions

Conversions Part 2

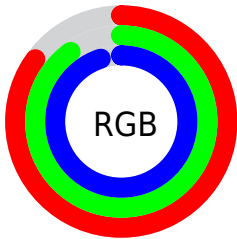
Format	Color
R _Y B	218, 226, 241
Decimal	14345969
CIE Lab	90.71, -1.88, -6.73
CIE LCh	91, 6.987, 254.387
Yxy	77.8499, 0.2979, 0.3173
Android (android.graphics.Color)	4292536049 (0xFFDAE6F1)
YUV	227.6660, 6.5737, -8.4771
Hunter-Lab	88.2326, -6.5413, -1.6790

Details

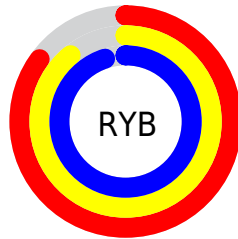
The Yxy color `77.8499, 0.2979, 0.3173` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `79.8186, 0.3283, 0.3404`, and the grayscale version is `77.2862, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `41.9493, 0.2945, 0.3152` is the 20% darker color. If you saturate the color by 10%, you get `68.1923, 0.2819, 0.3037`, and if you desaturate by 10%, it is `88.4795, 0.3134, 0.3295`.

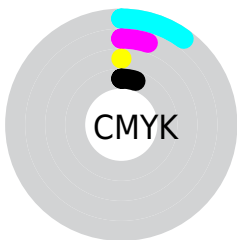
Distribution



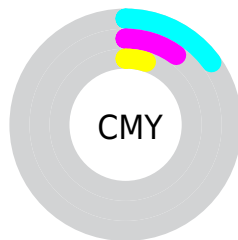
- Red (85%)
- Green (90%)
- Blue (95%)



- Red (85%)
- Yellow (89%)
- Blue (95%)



- Cyan (10%)
- Magenta (5%)
- Yellow (0%)
- Black (5%)



- Cyan (15%)
- Magenta (10%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8499, 0.2979, 0.3173 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 77.8499, 0.2979, 0.3173 by changing the saturation by 10% instead.

■ 77.8499, 0.2979,
0.3173

■ 77.8499, 0.2979,
0.3173

487.6569, 0.3047,
0.3227

■ 57.9507, 0.2964,
0.3161

130.3385, 0.3002,
0.3192

■ 41.7690, 0.2945,
0.3146

163.6967, 0.3011,
0.3199

■ 28.9205, 0.2922,
0.3127

202.3100, 0.3019,
0.3205

■ 19.0207, 0.2891,
0.3102

246.5628, 0.3026,
0.3210

■ 11.6852, 0.2850,
0.3069

296.8395, 0.3032,
0.3215

■ 6.5297, 0.2792,
0.3022

353.5245, 0.3037,

■ 3.1698, 0.2704,

0.3220

0.2949

417.0022, 0.3042,
0.3223

■ 1.2210, 0.2553,
0.2822

■ 0.0788, 0.0436,
0.1186

■ 77.8499, 0.2979,
0.3173

■ 77.8499, 0.2979,
0.3173

■ 68.1923, 0.2819,
0.3037

■ 88.4795, 0.3134,
0.3295

■ 59.4654, 0.2656,
0.2887

■ 97.9132, 0.3210,
0.3406

■ 51.6393, 0.2493,
0.2723

■ 99.1323, 0.3208,
0.3424

■ 44.6783, 0.2336,
0.2548

■ 38.5439, 0.2188,
0.2364

■ 33.1940, 0.2056,
0.2176

■ 28.5811, 0.1943,
0.1987

■ 24.6508, 0.1854,
0.1804

■ 21.3210, 0.1787,
0.1630

Harmonies

Analogous

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



77.8499, 0.2969, 0.3228



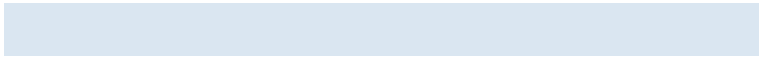
77.8499, 0.2979, 0.3173



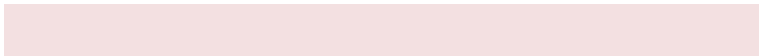
77.8499, 0.3028, 0.3150

Triad

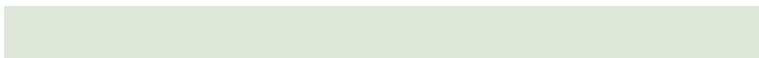
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.8499, 0.2979, 0.3173



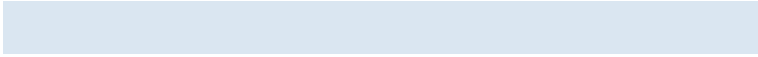
77.8499, 0.3254, 0.3277



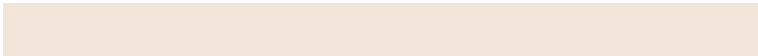
77.8499, 0.3149, 0.3421

Complementary

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



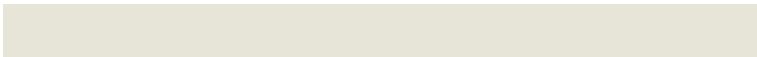
77.8499, 0.2979, 0.3173



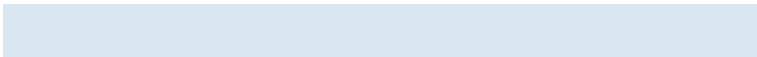
79.8186, 0.3283, 0.3404

Split Complementary

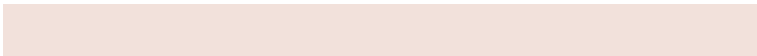
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.8499, 0.3226, 0.3433



77.8499, 0.2979, 0.3173



77.8499, 0.3288, 0.3349

Square

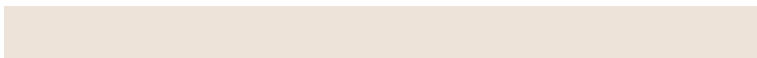
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.8499, 0.2979, 0.3173



77.8499, 0.3187, 0.3210



77.8499, 0.3277, 0.3406



77.8499, 0.3067, 0.3373

Rectangle

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



77.8499, 0.2979, 0.3173



77.8499, 0.3077, 0.3155



77.8499, 0.3277, 0.3406



77.8499, 0.3176, 0.3430

Sweetspot

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



77.8532, 0.2979, 0.3173



96.2634, 0.3081, 0.3255



83.4736, 0.3052, 0.3420



20.3943, 0.3069, 0.3245



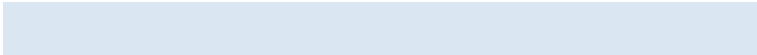
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



77.8532, 0.2979, 0.3173



86.7923, 0.2956, 0.3154



71.8007, 0.2978, 0.3052



16.5921, 0.2980, 0.3174



11.7560, 0.1792, 0.1650



1.1772, 0.1856, 0.1881

Inverse Universe

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



74.5621, 0.3212, 0.3167



82.5559, 0.3227, 0.3147



86.2386, 0.3270, 0.3518



15.8965, 0.3211, 0.3168



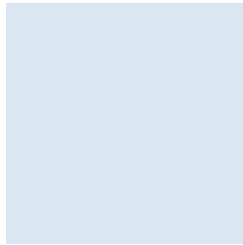
10.9801, 0.4868, 0.2455



0.9336, 0.4590, 0.2302

Previews

White Background



This preview shows how the Yxy color 77.8499, 0.2979, 0.3173 looks on a white background.

Color Contrast Check

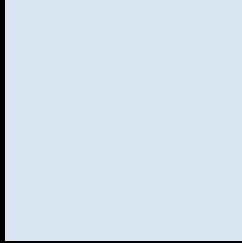
Large Text (above 18pt) WCAG AA × Fail

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 77.8499, 0.2979, 0.3173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

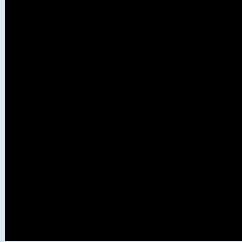
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

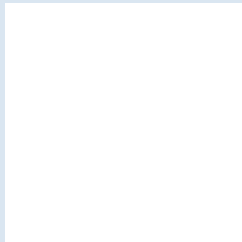
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.8499, 0.2979, 0.3173

Background



This preview shows how black text looks on a background with the Yxy color 77.8499, 0.2979, 0.3173.



This preview shows how white text looks on a background with the Yxy color 77.8499, 0.2979, 0.3173.

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

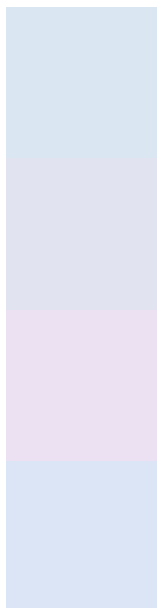




Tritanopia

77.8141, 0.2950, 0.3101

Trichromacy



Original Color

77.8499, 0.2979, 0.3173

Protanomaly

77.7856, 0.3031, 0.3164

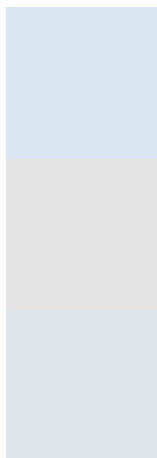
Deuteranomaly

77.9234, 0.3087, 0.3116

Tritanomaly

77.6913, 0.2962, 0.3121

Monochromacy



Original Color

77.8499, 0.2979, 0.3173

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.7691, 0.3068, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8499, 0.2979, 0.3173 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(218, 230, 241)` looks like.

```
.text, #text, p{  
    color:rgb(218, 230, 241)  
}
```

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(218, 230, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 230, 241) }
```

Border

The CSS property to change the border of an element to Yxy 77.8499, 0.2979, 0.3173 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(218, 230, 241) }
```

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

```
.border{ border-color:rgb(218, 230, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 230, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 230, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 230, 241);  
box-shadow:4px 4px 4px 4px rgb(218, 230,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 77.8499, 0.2979, 0.3173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 230, 241) }
```

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

```
.background{ background-color: rgb(218,  
230, 241) }
```

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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