

Converting Colors

$Yxy(77.7045, 0.3025, 0.3131)$

Have a look what the booklet for
Yxy(77.7045, 0.3025, 0.3131)
contains.

Yxy(77.5177, 0.3026, 0.3133)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.5177, 0.3026, 0.3133)

Conversions

Conversions Part 1

Format	Color
Hex	E2E3F2
RGB	226, 227, 242
RGB Percent	89%, 89%, 95%
CMY	0.1136, 0.1098, 0.0509
CMYK	0.07, 0.06, 0.00, 0.05
HSL	236°, 38%, 92%
HSV	236°, 7%, 95%
XYZ	74.8703, 77.5177, 95.0353
YIQ	228.4110, -5.4110, 4.4530

Conversions

Conversions Part 2

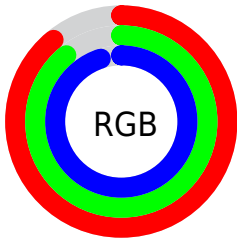
Format	Color
R _Y B	226, 227, 242
Decimal	14869490
CIE Lab	90.56, 2.46, -7.41
CIE LCh	91, 7.810, 288.389
Yxy	77.5177, 0.3026, 0.3133
Android (android.graphics.Color)	4293059570 (0xFFE2E3F2)
YUV	228.4110, 6.6994, -2.1144
Hunter-Lab	88.0441, -2.2858, -2.3670

Details

The Yxy color `77.5177, 0.3026, 0.3133` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `87.3215, 0.3226, 0.3442`, and the grayscale version is `77.8586, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `41.7081, 0.3005, 0.3101` is the 20% darker color. If you saturate the color by 10%, you get `62.2455, 0.2857, 0.2868`, and if you desaturate by 10%, it is `94.9934, 0.3176, 0.3365`.

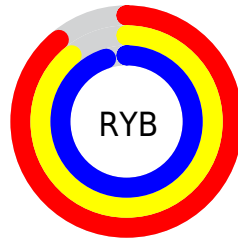
Distribution



Red (89%)

Green (89%)

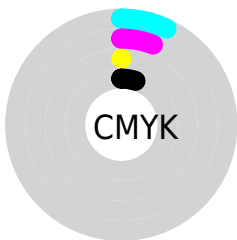
Blue (95%)



Red (89%)

Yellow (89%)

Blue (95%)

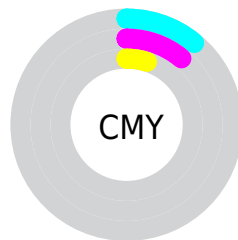


Cyan (7%)

Magenta (6%)

Yellow (0%)

Black (5%)



Cyan (11%)

Magenta (11%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.5177, 0.3026, 0.3133 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 77.5177, 0.3026, 0.3133 by changing the saturation by 10% instead.

■ 77.5177, 0.3026,
0.3133

■ 77.5177, 0.3026,
0.3133

486.5273, 0.3072,
0.3204

■ 57.6779, 0.3015,
0.3117

129.8700, 0.3042,
0.3158

■ 41.5497, 0.3003,
0.3097

163.1513, 0.3048,
0.3167

■ 28.7489, 0.2986,
0.3073

201.6818, 0.3054,
0.3176

■ 18.8909, 0.2965,
0.3041

245.8460, 0.3058,
0.3183

■ 11.5915, 0.2936,
0.2998

296.0283, 0.3063,
0.3189

■ 6.4662, 0.2895,
0.2937

352.6130, 0.3066,

■ 3.1306, 0.2832,

0.3195

0.2844

415.9845, 0.3069,
0.3200

■ 1.2003, 0.2723,
0.2688

■ 0.0619, 0.1553,
0.0808

■ 77.5177, 0.3026,
0.3133

■ 77.5177, 0.3026,
0.3133

■ 62.2455, 0.2857,
0.2868

■ 94.9934, 0.3176,
0.3365

■ 49.0799, 0.2669,
0.2572

■ 99.1920, 0.3203,
0.3415

■ 37.9314, 0.2466,
0.2249

■ 28.7003, 0.2255,
0.1908

■ 21.2784, 0.2047,
0.1568

■ 15.5466, 0.1856,
0.1249

■ 11.3717, 0.1698,
0.0978

■ 8.6004, 0.1584,
0.0775

■ 7.0472, 0.1521,
0.0653

Harmonies

Analogous

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



77.5177, 0.2966, 0.3153



77.5177, 0.3026, 0.3133



77.5177, 0.3113, 0.3154

Triad

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



77.5177, 0.3026, 0.3133



77.5177, 0.3308, 0.3366



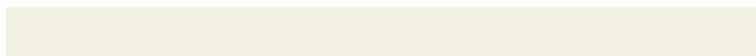
77.5177, 0.3048, 0.3373

Complementary

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



77.5177, 0.3026, 0.3133



87.3215, 0.3226, 0.3442

Split Complementary

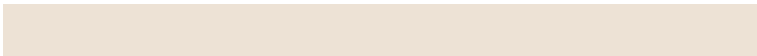
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.5177, 0.3139, 0.3432



77.5177, 0.3026, 0.3133



77.5177, 0.3290, 0.3426

Square

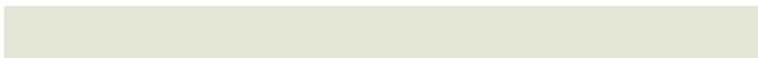
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.5177, 0.3026, 0.3133



77.5177, 0.3277, 0.3286



77.5177, 0.3228, 0.3451



77.5177, 0.2979, 0.3291

Rectangle

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



77.5177, 0.3026, 0.3133



77.5177, 0.3176, 0.3188



77.5177, 0.3228, 0.3451



77.5177, 0.3077, 0.3396

Sweetspot

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



77.5210, 0.3026, 0.3133



96.0245, 0.3097, 0.3244



86.0389, 0.3031, 0.3301



20.5948, 0.3099, 0.3246



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.



77.5210, 0.3026, 0.3133



84.7024, 0.3003, 0.3097



78.1416, 0.3073, 0.3125



15.3806, 0.2979, 0.3061



3.6832, 0.1511, 0.0637



0.3594, 0.1537, 0.0734

Inverse Universe

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



78.8387, 0.3233, 0.3281



86.4936, 0.3258, 0.3278



86.6872, 0.3179, 0.3454



15.7742, 0.3284, 0.3276



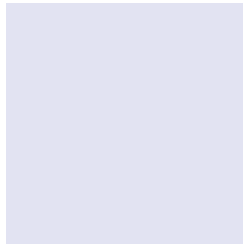
10.1652, 0.6337, 0.3265



0.8510, 0.6176, 0.3176

Previews

White Background



This preview shows how the Yxy color 77.5177, 0.3026, 0.3133 looks on a white background.

Color Contrast Check

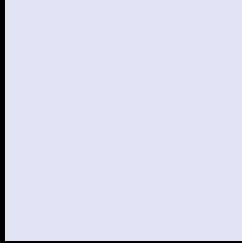
Large Text (above 18pt) WCAG AA × Fail

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 77.5177, 0.3026, 0.3133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

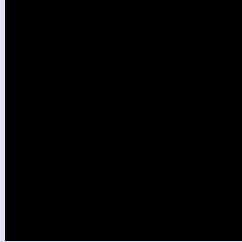
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

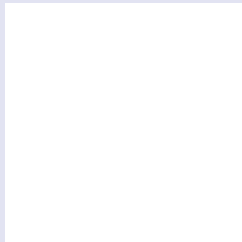
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.5177, 0.3026, 0.3133

Background



This preview shows how black text looks on a background with the Yxy color 77.5177, 0.3026, 0.3133.

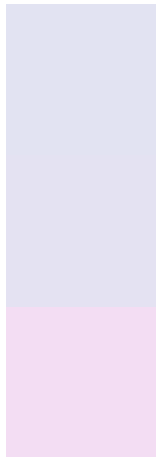


This preview shows how white text looks on a background with the Yxy color 77.5177, 0.3026, 0.3133.

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

77.5177, 0.3026, 0.3133

Protanopia

77.2975, 0.3039, 0.3123

Deuteranopia

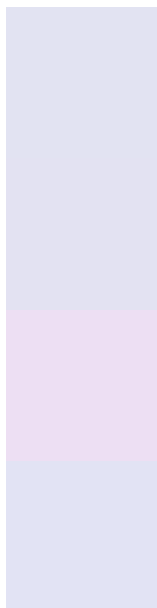
77.2387, 0.3138, 0.3068



Tritanopia

77.6995, 0.3007, 0.3103

Trichromacy



Original Color

77.5177, 0.3026, 0.3133

Protanomaly

77.1344, 0.3033, 0.3123

Deuteranomaly

77.2509, 0.3095, 0.3086

Tritanomaly

77.6386, 0.3014, 0.3113

Monochromacy



Original Color

77.5177, 0.3026, 0.3133

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.7009, 0.3089, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.5177, 0.3026, 0.3133 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(226, 227, 242)` looks like.

```
.text, #text, p{  
    color:rgb(226, 227, 242)  
}
```

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(226, 227, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 227, 242) }
```

Border

The CSS property to change the border of an element to Yxy 77.5177, 0.3026, 0.3133 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(226, 227, 242) }
```

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

```
.border{ border-color:rgb(226, 227, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 227, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 227, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 227, 242);  
box-shadow:4px 4px 4px 4px rgb(226, 227,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 77.5177, 0.3026, 0.3133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 227, 242) }
```

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

```
.background{ background-color: rgb(226,  
227, 242) }
```

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