

Converting Colors

$Yxy(77.5497, 0.3097, 0.3233)$

Have a look what the booklet for
Yxy(77.5497, 0.3097, 0.3233)
contains.

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Color

Yxy(77.3153, 0.3096, 0.3227)

Conversions

Conversions Part 1

Format	Color
Hex	E4E3E9
RGB	228, 227, 233
RGB Percent	89%, 89%, 91%
CMY	0.1058, 0.1098, 0.0863
CMYK	0.02, 0.03, 0.00, 0.09
HSL	250°, 12%, 90%
HSV	250°, 3%, 91%
XYZ	74.1767, 77.3153, 88.0968
YIQ	227.9830, -1.3300, 2.0780

Conversions

Conversions Part 2

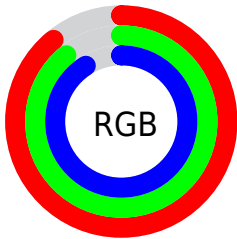
Format	Color
R _Y B	228, 227, 233
Decimal	15000553
CIE Lab	90.47, 1.43, -2.80
CIE LCh	90, 3.147, 297.098
Yxy	77.3153, 0.3096, 0.3227
Android (android.graphics.Color)	4293190633 (0xFFE4E3E9)
YUV	227.9830, 2.4734, 0.0149
Hunter-Lab	87.9291, -3.2940, 2.1473

Details

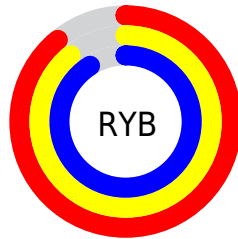
The Yxy color `77.3153, 0.3096, 0.3227` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `80.9684, 0.3158, 0.3352`, and the grayscale version is `77.5564, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `41.5636, 0.3095, 0.3222` is the 20% darker color. If you saturate the color by 10%, you get `62.4410, 0.2963, 0.2963`, and if you desaturate by 10%, it is `94.2733, 0.3211, 0.3461`.

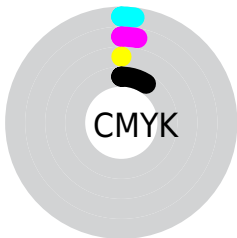
Distribution



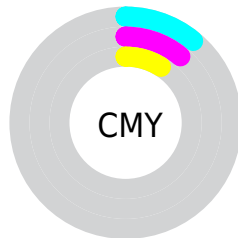
- Red (89%)
- Green (89%)
- Blue (91%)



- Red (89%)
- Yellow (89%)
- Blue (91%)



- Cyan (2%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)



- Cyan (11%)
- Magenta (11%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.3153, 0.3096, 0.3227 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 77.3153, 0.3096, 0.3227 by changing the saturation by 10% instead.

■ 77.3153, 0.3096,
0.3227

■ 77.3153, 0.3096,
0.3227

485.8384, 0.3110,
0.3256

■ 57.5117, 0.3093,
0.3220

129.5845, 0.3101,
0.3237

■ 41.4162, 0.3089,
0.3212

162.8188, 0.3103,
0.3241

■ 28.6444, 0.3084,
0.3202

201.2988, 0.3105,
0.3244

■ 18.8120, 0.3077,
0.3189

245.4090, 0.3106,
0.3247

■ 11.5345, 0.3068,
0.3172

295.5336, 0.3107,
0.3250

■ 6.4276, 0.3055,
0.3147

352.0571, 0.3108,

■ 3.1068, 0.3035,

0.3252

0.3108

415.3639, 0.3109,
0.3254

■ 1.1877, 0.3000,
0.3041

■ 0.0516, 0.2168,
0.1332

■ 77.3153, 0.3096,
0.3227

■ 77.3153, 0.3096,
0.3227

■ 62.4410, 0.2963,
0.2963

■ 94.2733, 0.3211,
0.3461

■ 49.5601, 0.2812,
0.2669

■ 98.6627, 0.3256,
0.3503

■ 38.5904, 0.2642,
0.2350

■ 29.4401, 0.2457,
0.2013

■ 22.0100, 0.2264,
0.1673

■ 16.1909, 0.2071,
0.1350

■ 11.8612, 0.1893,
0.1067

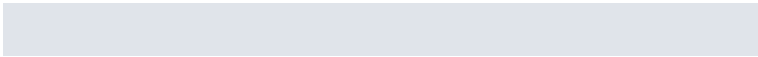
■ 8.8818, 0.1741,
0.0846

■ 7.0859, 0.1627,
0.0701

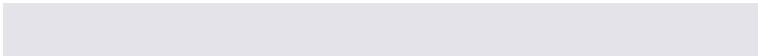
Harmonies

Analogous

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



77.3153, 0.3068, 0.3231



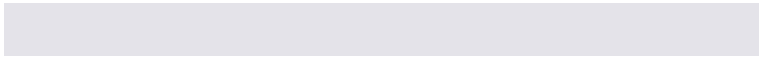
77.3153, 0.3096, 0.3227



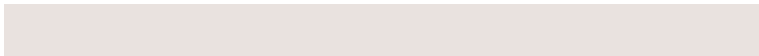
77.3153, 0.3133, 0.3240

Triad

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



77.3153, 0.3096, 0.3227



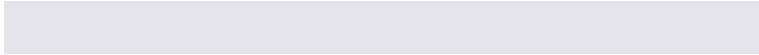
77.3153, 0.3200, 0.3329



77.3153, 0.3086, 0.3314

Complementary

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



77.3153, 0.3096, 0.3227



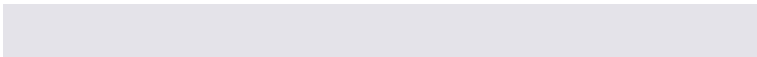
80.9684, 0.3158, 0.3352

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.



77.3153, 0.3121, 0.3341



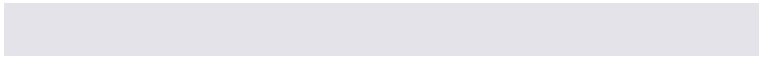
77.3153, 0.3096, 0.3227



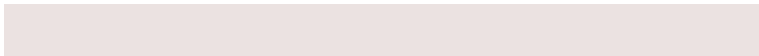
77.3153, 0.3187, 0.3350

Square

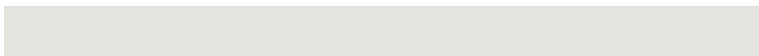
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



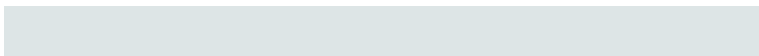
77.3153, 0.3096, 0.3227



77.3153, 0.3193, 0.3299



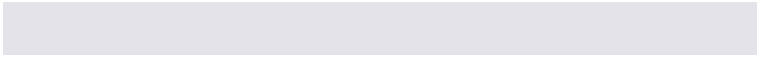
77.3153, 0.3158, 0.3354



77.3153, 0.3062, 0.3281

Rectangle

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



77.3153, 0.3096, 0.3227



77.3153, 0.3157, 0.3256



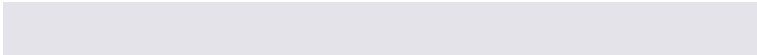
77.3153, 0.3158, 0.3354



77.3153, 0.3097, 0.3325

Sweetspot

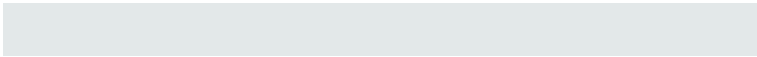
The Sweet Spot groups the original color and five complimentary colors.



77.3186, 0.3096, 0.3227



97.9853, 0.3115, 0.3266



79.9224, 0.3087, 0.3279



20.9941, 0.3116, 0.3267



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

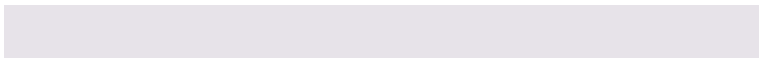
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.3186, 0.3096, 0.3227



94.0335, 0.3091, 0.3216



77.8081, 0.3116, 0.3227



16.5526, 0.3081, 0.3197



3.6304, 0.1577, 0.0642



0.3214, 0.1694, 0.0707

Inverse Universe

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



78.0838, 0.3137, 0.3238



95.1316, 0.3138, 0.3229



80.4762, 0.3138, 0.3353



16.7982, 0.3141, 0.3214



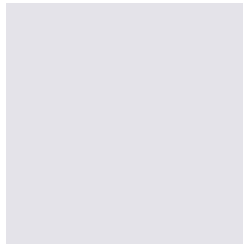
12.0316, 0.3696, 0.1810



0.9565, 0.3617, 0.1766

Previews

White Background



This preview shows how the Yxy color 77.3153, 0.3096, 0.3227 looks on a white background.

Color Contrast Check

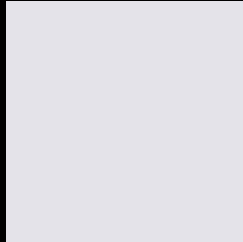
Large Text (above 18pt) WCAG AA × Fail

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 77.3153, 0.3096, 0.3227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

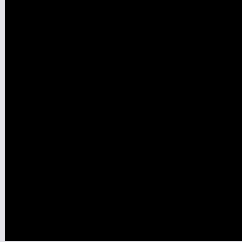
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

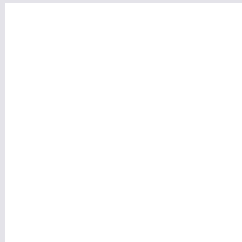
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.3153, 0.3096, 0.3227

Background



This preview shows how black text looks on a background with the Yxy color 77.3153, 0.3096, 0.3227.

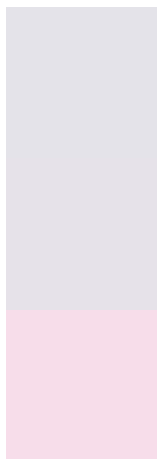


This preview shows how white text looks on a background with the Yxy color 77.3153, 0.3096, 0.3227.

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

77.3153, 0.3096, 0.3227

Protanopia

77.0989, 0.3110, 0.3217

Deuteranopia

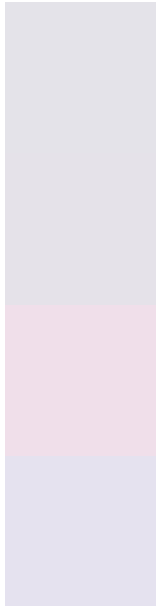
77.4276, 0.3226, 0.3159



Tritanopia

77.1445, 0.3047, 0.3103

Trichromacy



Original Color

77.3153, 0.3096, 0.3227

Protanomaly

76.9339, 0.3103, 0.3217

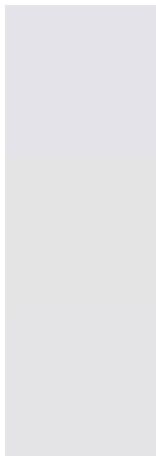
Deuteranomaly

77.2411, 0.3175, 0.3177

Tritanomaly

77.2827, 0.3065, 0.3154

Monochromacy



Original Color

77.3153, 0.3096, 0.3227

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.6940, 0.3114, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3153, 0.3096, 0.3227 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(228, 227, 233)` looks like.

```
.text, #text, p{  
    color:rgb(228, 227, 233)  
}
```

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(228, 227, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 227, 233) }
```

Border

The CSS property to change the border of an element to Yxy 77.3153, 0.3096, 0.3227 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(228, 227, 233) }
```

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

```
.border{ border-color:rgb(228, 227, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 227, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 227, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 227, 233); box-shadow:4px 4px 4px 4px rgb(228, 227, 233) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3153, 0.3096, 0.3227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 227, 233) }
```

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

```
.background{ background-color: rgb(228,  
227, 233) }
```

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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