

Converting Colors

$Yxy(76.8099, 0.3050, 0.3202)$

Have a look what the booklet for
Yxy(76.8099, 0.3050, 0.3202)
contains.

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Color

Yxy(76.7836, 0.3056, 0.3205)

Conversions

Conversions Part 1

Format	Color
Hex	E0E3EB
RGB	224, 227, 235
RGB Percent	88%, 89%, 92%
CMY	0.1215, 0.1098, 0.0783
CMYK	0.05, 0.03, 0.00, 0.08
HSL	224°, 22%, 90%
HSV	224°, 5%, 92%
XYZ	73.2139, 76.7836, 89.5769
YIQ	227.0150, -4.3560, 1.8520

Conversions

Conversions Part 2

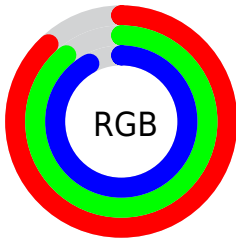
Format	Color
R _Y B	224, 226, 235
Decimal	14738411
CIE Lab	90.22, 0.49, -4.26
CIE LCh	90, 4.289, 276.528
Yxy	76.7836, 0.3056, 0.3205
Android (android.graphics.Color)	4292928491 (0xFFE0E3EB)
YUV	227.0150, 3.9366, -2.6442
Hunter-Lab	87.6263, -4.2047, 0.7285

Details

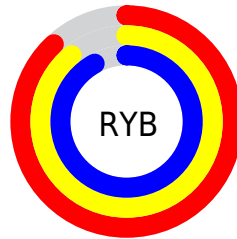
The Yxy color `76.7836, 0.3056, 0.3205` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `80.7964, 0.3198, 0.3374`, and the grayscale version is `76.8062, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `41.1947, 0.3043, 0.3194` is the 20% darker color. If you saturate the color by 10%, you get `64.3614, 0.2894, 0.3006`, and if you desaturate by 10%, it is `90.6673, 0.3204, 0.3381`.

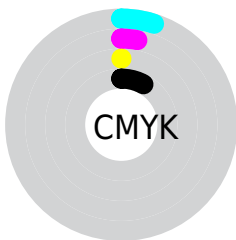
Distribution



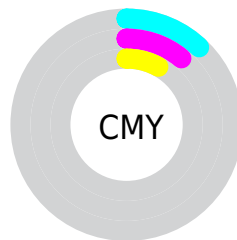
- Red (88%)
- Green (89%)
- Blue (92%)



- Red (88%)
- Yellow (89%)
- Blue (92%)



- Cyan (5%)
- Magenta (3%)
- Yellow (0%)
- Black (8%)



- Cyan (12%)
- Magenta (11%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.7836, 0.3056, 0.3205 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 76.7836, 0.3056, 0.3205 by changing the saturation by 10% instead.

■ 76.7836, 0.3056,
0.3205

■ 76.7836, 0.3056,
0.3205

484.0259, 0.3089,
0.3244

■ 57.0753, 0.3049,
0.3196

128.8340, 0.3067,
0.3218

■ 41.0657, 0.3039,
0.3185

161.9448, 0.3072,
0.3224

■ 28.3704, 0.3028,
0.3172

200.2919, 0.3075,
0.3228

■ 18.6051, 0.3013,
0.3154

244.2598, 0.3079,
0.3232

■ 11.3853, 0.2993,
0.3130

294.2327, 0.3082,
0.3236

■ 6.3266, 0.2964,
0.3096

350.5951, 0.3084,

■ 3.0447, 0.2919,

0.3239

0.3043

413.7314, 0.3087,
0.3242

■ 1.1551, 0.2841,
0.2950

■ 0.0246, 0.0917,
0.0639

■ 76.7836, 0.3056,
0.3205

■ 76.7836, 0.3056,
0.3205

■ 64.3614, 0.2894,
0.3006

■ 90.6673, 0.3204,
0.3381

■ 53.3426, 0.2720,
0.2783

■ 98.7796, 0.3244,
0.3483

■ 43.6792, 0.2537,
0.2538

■ 35.3169, 0.2350,
0.2274

■ 28.1974, 0.2164,
0.1997

■ 22.2578, 0.1989,
0.1718

■ 17.4291, 0.1835,
0.1449

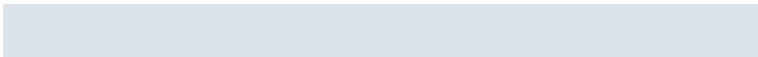
■ 13.6342, 0.1710,
0.1204

■ 10.7840, 0.1620,
0.0998

Harmonies

Analogous

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



76.7836, 0.3031, 0.3225



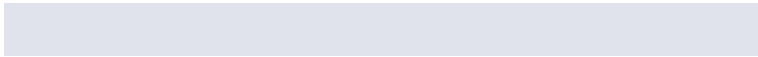
76.7836, 0.3056, 0.3205



76.7836, 0.3100, 0.3207

Triad

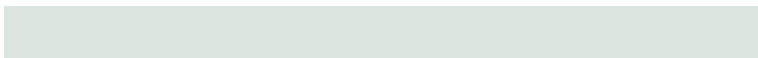
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.7836, 0.3056, 0.3205



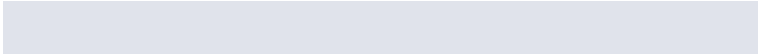
76.7836, 0.3223, 0.3316



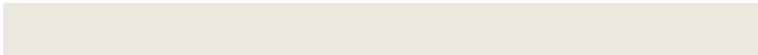
76.7836, 0.3103, 0.3350

Complementary

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



76.7836, 0.3056, 0.3205



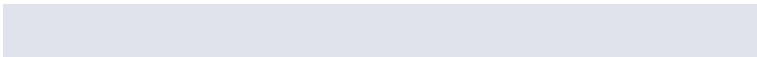
80.7964, 0.3198, 0.3374

Split Complementary

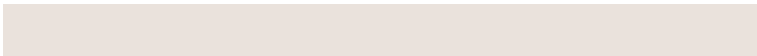
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.7836, 0.3154, 0.3375



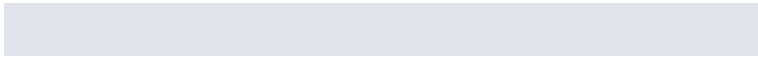
76.7836, 0.3056, 0.3205



76.7836, 0.3224, 0.3354

Square

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



76.7836, 0.3056, 0.3205



76.7836, 0.3196, 0.3271



76.7836, 0.3199, 0.3376



76.7836, 0.3058, 0.3309

Rectangle

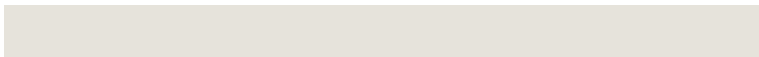
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.7836, 0.3056, 0.3205



76.7836, 0.3134, 0.3221



76.7836, 0.3199, 0.3376



76.7836, 0.3120, 0.3361

Sweetspot

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



76.7869, 0.3056, 0.3205



98.3371, 0.3112, 0.3272



81.1039, 0.3073, 0.3323



21.0657, 0.3113, 0.3273



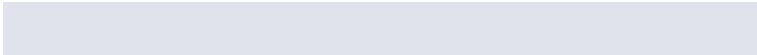
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



76.7869, 0.3056, 0.3205



90.2898, 0.3035, 0.3180



75.5619, 0.3073, 0.3174



15.9835, 0.3026, 0.3168



5.5208, 0.1592, 0.0931



0.5883, 0.1666, 0.1198

Inverse Universe

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



76.5391, 0.3185, 0.3259



89.9248, 0.3203, 0.3250



82.0778, 0.3180, 0.3405



15.9134, 0.3211, 0.3246



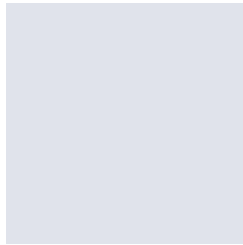
10.0501, 0.5863, 0.3003



0.8048, 0.5470, 0.2787

Previews

White Background



This preview shows how the Yxy color 76.7836, 0.3056, 0.3205 looks on a white background.

Color Contrast Check

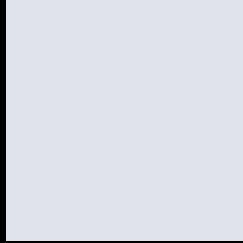
Large Text (above 18pt) WCAG AA × Fail

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 76.7836, 0.3056, 0.3205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

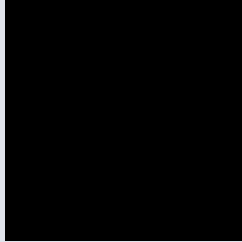
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

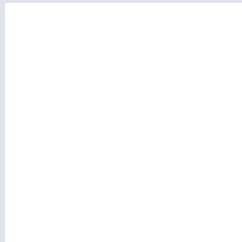
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.7836, 0.3056, 0.3205

Background



This preview shows how black text looks on a background with the Yxy color 76.7836, 0.3056, 0.3205.

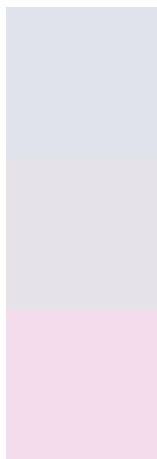


This preview shows how white text looks on a background with the Yxy color 76.7836, 0.3056, 0.3205.

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

76.7836, 0.3056, 0.3205

Protanopia

76.9912, 0.3097, 0.3206

Deuteranopia

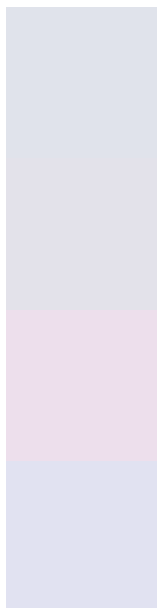
76.4756, 0.3192, 0.3128



Tritanopia

76.9319, 0.3007, 0.3102

Trichromacy



Original Color

76.7836, 0.3056, 0.3205

Protanomaly

76.6641, 0.3083, 0.3206

Deuteranomaly

76.8360, 0.3140, 0.3156

Tritanomaly

76.7511, 0.3025, 0.3133

Monochromacy



Original Color

76.7836, 0.3056, 0.3205

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

76.8201, 0.3101, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7836, 0.3056, 0.3205 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(224, 227, 235)` looks like.

```
.text, #text, p{  
    color:rgb(224, 227, 235)  
}
```

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(224, 227, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 227, 235) }
```

Border

The CSS property to change the border of an element to Yxy 76.7836, 0.3056, 0.3205 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(224, 227, 235) }
```

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

```
.border{ border-color:rgb(224, 227, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 227, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 227, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 227, 235);  
box-shadow:4px 4px 4px 4px rgb(224, 227,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7836, 0.3056, 0.3205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 227, 235) }
```

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

```
.background{ background-color: rgb(224,  
227, 235) }
```

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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