

Converting Colors

Yxy(87.6183, 0.3174, 0.3431)

Have a look what the booklet for
Yxy(87.6183, 0.3174, 0.3431)
contains.

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Color

Yxy(87.7629, 0.3173, 0.3433)

Conversions

Conversions Part 1

Format	Color
Hex	EDF3E5
RGB	237, 243, 229
RGB Percent	93%, 95%, 90%
CMY	0.0706, 0.0470, 0.1021
CMYK	0.02, 0.00, 0.06, 0.05
HSL	86°, 37%, 93%
HSV	86°, 6%, 95%
XYZ	81.1161, 87.7629, 86.7659
YIQ	239.6100, 0.9180, -5.6260

Conversions

Conversions Part 2

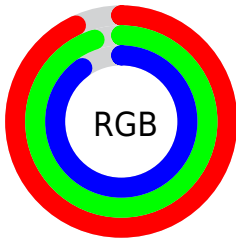
Format	Color
R _Y B	229, 243, 235
Decimal	15594469
CIE Lab	95.06, -4.44, 6.06
CIE LCh	95, 7.515, 126.218
Yxy	87.7629, 0.3173, 0.3433
Android (android.graphics.Color)	4293784549 (0xFFEDF3E5)
YUV	239.6100, -5.2307, -2.2890
Hunter-Lab	93.6819, -9.3858, 10.6643

Details

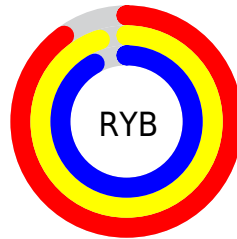
The Yxy color **87.7629, 0.3173, 0.3433** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **80.1461, 0.3079, 0.3146**, and the grayscale version is **86.8595, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.4204, 0.3178, 0.3460** is the 20% darker color. If you saturate the color by 10%, you get **84.7676, 0.3253, 0.3696**, and if you desaturate by 10%, it is **91.0592, 0.3094, 0.3190**.

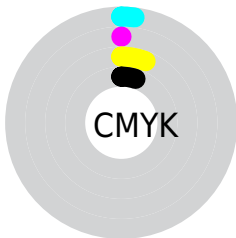
Distribution



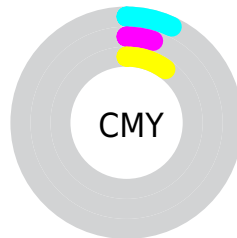
- Red (93%)
- Green (95%)
- Blue (90%)



- Red (90%)
- Yellow (95%)
- Blue (92%)



- Cyan (2%)
- Magenta (0%)
- Yellow (6%)
- Black (5%)





- Cyan (7%)
- Magenta (5%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.7629, 0.3173, 0.3433 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 87.7629, 0.3173, 0.3433 by changing the saturation by 10% instead.


 87.7629, 0.3173,
0.3433

 87.7629, 0.3173,
0.3433

520.7265, 0.3153,
0.3369

 66.1267, 0.3177,
0.3447


144.2270, 0.3166,
0.3411

 48.3753, 0.3183,
0.3465


179.8238, 0.3163,
0.3402

 34.1242, 0.3189,
0.3487


220.8428, 0.3161,
0.3395

 22.9890, 0.3198,
0.3515

267.6685, 0.3159,
0.3388

 14.5854, 0.3209,
0.3553

320.6854, 0.3157,
0.3382

 8.5289, 0.3224,
0.3606

380.2777, 0.3156,

 4.4352, 0.3246,

0.3377

0.3686

446.8300, 0.3154,
0.3373

■ 1.9199, 0.3281,
0.3819

■ 0.5603, 0.3623,
0.4786

■ 87.7629, 0.3173,
0.3433

■ 87.7629, 0.3173,
0.3433

■ 84.7676, 0.3253,
0.3696

■ 91.0592, 0.3094,
0.3190

■ 82.0524, 0.3330,
0.3976

■ 92.5855, 0.3133,
0.3175

■ 79.6109, 0.3402,
0.4267

■ 77.4321, 0.3464,
0.4559

■ 75.5045, 0.3511,
0.4840

■ 73.8150, 0.3538,
0.5097

■ 72.3493, 0.3543,
0.5315

■ 71.0910, 0.3523,
0.5484

■ 70.0201, 0.3481,
0.5598

Harmonies

Analogous

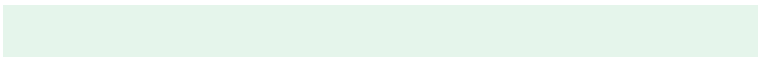
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.7629, 0.3247, 0.3434



87.7629, 0.3173, 0.3433



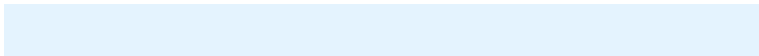
87.7629, 0.3087, 0.3392

Triad

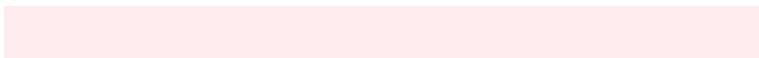
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.7629, 0.3173, 0.3433



87.7629, 0.2967, 0.3182



87.7629, 0.3243, 0.3257

Complementary

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



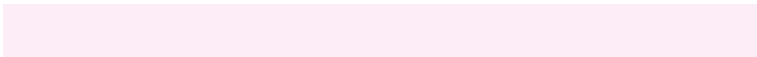
87.7629, 0.3173, 0.3433



80.1461, 0.3079, 0.3146

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.



87.7629, 0.3166, 0.3191



87.7629, 0.3173, 0.3433



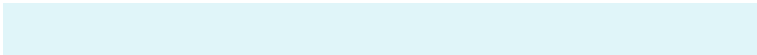
87.7629, 0.3007, 0.3148

Square

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



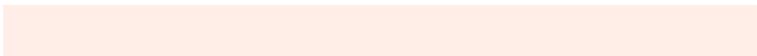
87.7629, 0.3173, 0.3433



87.7629, 0.2969, 0.3246



87.7629, 0.3080, 0.3152



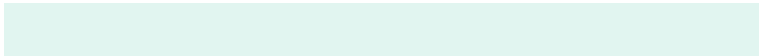
87.7629, 0.3288, 0.3331

Rectangle

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



87.7629, 0.3173, 0.3433



87.7629, 0.3035, 0.3348



87.7629, 0.3080, 0.3152



87.7629, 0.3220, 0.3233

Sweetspot

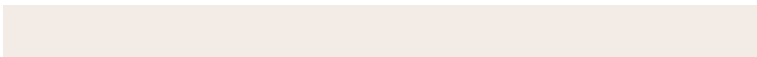
The Sweet Spot groups the original color and five complimentary colors.



87.7667, 0.3173, 0.3433



99.2650, 0.3143, 0.3339



84.0222, 0.3219, 0.3350



21.2545, 0.3142, 0.3336



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.



87.7667, 0.3173, 0.3433



97.4856, 0.3183, 0.3465



86.6059, 0.3128, 0.3435



19.0677, 0.3187, 0.3479



38.2843, 0.3470, 0.5627



3.4253, 0.3557, 0.5557

Inverse Universe

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



80.1461, 0.3079, 0.3146



87.2473, 0.3069, 0.3115



81.3387, 0.3126, 0.3149



16.9055, 0.3063, 0.3100



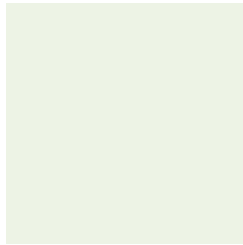
5.2360, 0.1889, 0.0814



0.5195, 0.2028, 0.0891

Previews

White Background



This preview shows how the Yxy color 87.7629, 0.3173, 0.3433 looks on a white background.

Color Contrast Check

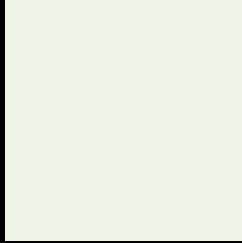
Large Text (above 18pt) WCAG AA × Fail

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 87.7629, 0.3173, 0.3433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

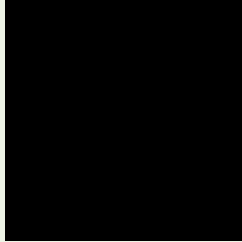
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

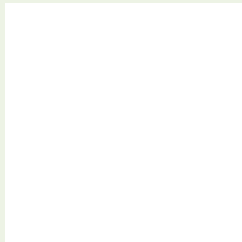
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.7629, 0.3173, 0.3433

Background



This preview shows how black text looks on a background with the Yxy color 87.7629, 0.3173, 0.3433.

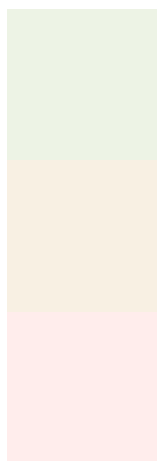


This preview shows how white text looks on a background with the Yxy color 87.7629, 0.3173, 0.3433.

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

87.7629, 0.3173, 0.3433

Protanopia

87.8227, 0.3261, 0.3420

Deuteranopia

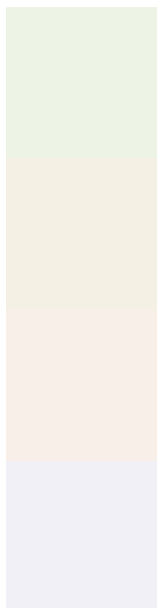
87.8845, 0.3254, 0.3300



Tritanopia

87.6538, 0.3044, 0.3132

Trichromacy



Original Color

87.7629, 0.3173, 0.3433

Protanomaly

87.7451, 0.3227, 0.3421

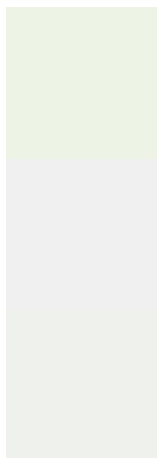
Deuteranomaly

87.5727, 0.3224, 0.3350

Tritanomaly

87.4993, 0.3091, 0.3230

Monochromacy



Original Color

87.7629, 0.3173, 0.3433

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.3174, 0.3144, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.7629, 0.3173, 0.3433 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(237, 243, 229)` looks like.

```
.text, #text, p{  
    color:rgb(237, 243, 229)  
}
```

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(237, 243, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 243, 229) }
```

Border

The CSS property to change the border of an element to Yxy 87.7629, 0.3173, 0.3433 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(237, 243, 229) }
```

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

```
.border{ border-color:rgb(237, 243, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 243, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 243, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 243, 229);  
box-shadow:4px 4px 4px 4px rgb(237, 243,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 87.7629, 0.3173, 0.3433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 243, 229) }
```

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

```
.background{ background-color: rgb(237,  
243, 229) }
```

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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