

Converting Colors

$Y_{xy}(84.1695, 0.3176, 0.3358)$

Have a look what the booklet for
Yxy(84.1695, 0.3176, 0.3358)
contains.

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Color

Yxy(84.4587, 0.3177, 0.3362)

Conversions

Conversions Part 1

Format	Color
Hex	EEDEE6
RGB	238, 237, 230
RGB Percent	93%, 93%, 90%
CMY	0.0669, 0.0705, 0.0981
CMYK	0.00, 0.00, 0.03, 0.07
HSL	53°, 19%, 92%
HSV	53°, 3%, 93%
XYZ	79.8112, 84.4587, 86.9457
YIQ	236.5010, 2.8430, -1.9650

Conversions

Conversions Part 2

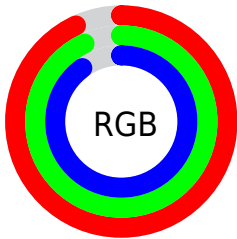
Format	Color
R _Y B	231, 238, 230
Decimal	15658470
CIE Lab	93.65, -0.91, 3.50
CIE LCh	94, 3.618, 104.613
Yxy	84.4587, 0.3177, 0.3362
Android (android.graphics.Color)	4293848550 (0xFFEEEEDE6)
YUV	236.5010, -3.2050, 1.3146
Hunter-Lab	91.9014, -5.8103, 8.2381

Details

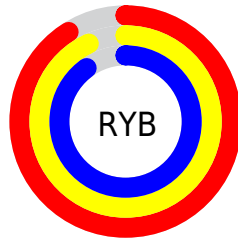
The Yxy color **84.4587, 0.3177, 0.3362** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.0895, 0.3077, 0.3217**, and the grayscale version is **84.3042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.0880, 0.3184, 0.3369** is the 20% darker color. If you saturate the color by 10%, you get **81.6322, 0.3332, 0.3583**, and if you desaturate by 10%, it is **87.4995, 0.3031, 0.3151**.

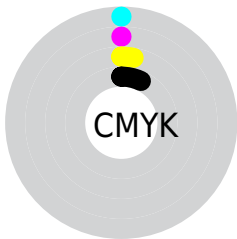
Distribution



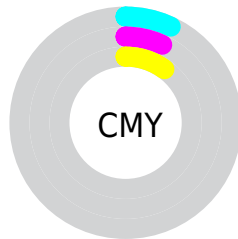
- Red (93%)
- Green (93%)
- Blue (90%)



- Red (91%)
- Yellow (93%)
- Blue (90%)



- Cyan (0%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.4587, 0.3177, 0.3362 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 84.4587, 0.3177, 0.3362 by changing the saturation by 10% instead.

84.4587, 0.3177,
0.3362

84.4587, 0.3177,
0.3362

509.8352, 0.3155,
0.3330

63.3942, 0.3182,
0.3369

139.6166, 0.3169,
0.3351

46.1602, 0.3188,
0.3378

174.4789, 0.3166,
0.3347

32.3723, 0.3196,
0.3389

214.7092, 0.3164,
0.3343

21.6460, 0.3205,
0.3403

260.6919, 0.3161,
0.3339

13.5970, 0.3219,
0.3423

312.8115, 0.3159,
0.3337

7.8409, 0.3237,
0.3449

371.4523, 0.3158,

3.9933, 0.3264,

0.3334

0.3490

436.9988, 0.3156,
0.3332

■ 1.6698, 0.3310,
0.3558

■ 0.4040, 0.3765,
0.4205

■ 84.4587, 0.3177,
0.3362

■ 84.4587, 0.3177,
0.3362

■ 81.6322, 0.3332,
0.3583

■ 87.4995, 0.3031,
0.3151

■ 79.0017, 0.3494,
0.3810

■ 89.2103, 0.3024,
0.3166

■ 76.5627, 0.3659,
0.4036

■ 90.8674, 0.3024,
0.3194

■ 74.3067, 0.3822,
0.4252

■ 92.5494, 0.3024,
0.3221

■ 72.2246, 0.3976,
0.4448

■ 94.2563, 0.3023,
0.3248

■ 70.3059, 0.4116,
0.4615

■ 95.9882, 0.3023,
0.3276

■ 68.5394, 0.4233,
0.4744

■ 96.9078, 0.3023,
0.3290

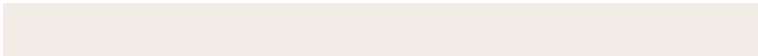
■ 66.9117, 0.4324,
0.4829

■ 65.4068, 0.4387,
0.4869

Harmonies

Analogous

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



84.4587, 0.3203, 0.3349



84.4587, 0.3177, 0.3362



84.4587, 0.3138, 0.3356

Triad

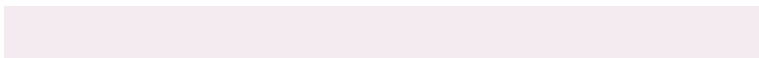
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.4587, 0.3177, 0.3362



84.4587, 0.3047, 0.3259



84.4587, 0.3158, 0.3250

Complementary

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



84.4587, 0.3177, 0.3362



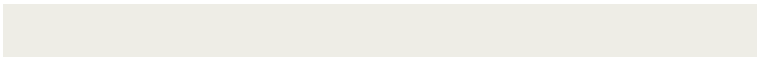
80.0895, 0.3077, 0.3217

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.



84.4587, 0.3116, 0.3226



84.4587, 0.3177, 0.3362



84.4587, 0.3052, 0.3231

Square

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



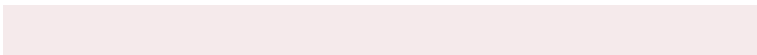
84.4587, 0.3177, 0.3362



84.4587, 0.3063, 0.3296



84.4587, 0.3077, 0.3219



84.4587, 0.3191, 0.3284

Rectangle

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



84.4587, 0.3177, 0.3362



84.4587, 0.3110, 0.3341



84.4587, 0.3077, 0.3219



84.4587, 0.3144, 0.3240

Sweetspot

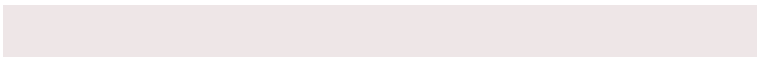
The Sweet Spot groups the original color and five complimentary colors.



84.4624, 0.3177, 0.3362



99.6486, 0.3142, 0.3311



80.5173, 0.3176, 0.3281



21.3326, 0.3141, 0.3310



0.0000, 0.0000, 0.0000



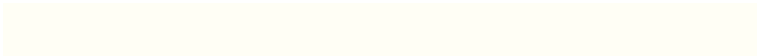
21.4041, 0.3127, 0.3290

Same Dimension

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



84.4624, 0.3177, 0.3362



98.6092, 0.3187, 0.3377



84.4739, 0.3156, 0.3372



18.4249, 0.3198, 0.3392



36.1028, 0.4412, 0.4879



3.0912, 0.4380, 0.4905

Inverse Universe

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



80.0895, 0.3077, 0.3217



92.4965, 0.3067, 0.3202



80.0845, 0.3098, 0.3208



17.0797, 0.3055, 0.3186



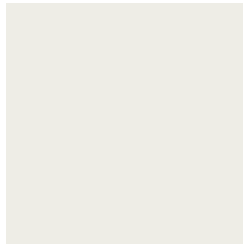
3.9898, 0.1524, 0.0684



0.4275, 0.1571, 0.0853

Previews

White Background



This preview shows how the Yxy color 84.4587, 0.3177, 0.3362 looks on a white background.

Color Contrast Check

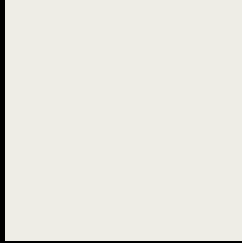
Large Text (above 18pt) WCAG AA × Fail

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 84.4587, 0.3177, 0.3362 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

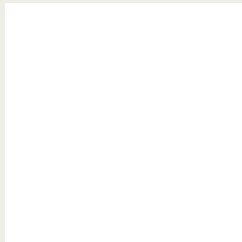
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.4587, 0.3177, 0.3362

Background



This preview shows how black text looks on a background with the Yxy color 84.4587, 0.3177, 0.3362.

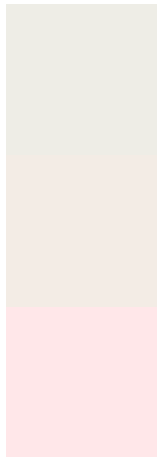


This preview shows how white text looks on a background with the Yxy color 84.4587, 0.3177, 0.3362.

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

84.4587, 0.3177, 0.3362

Protanopia

84.7027, 0.3218, 0.3361

Deuteranopia

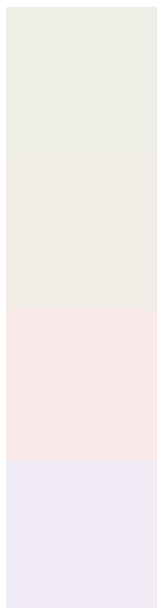
84.2950, 0.3280, 0.3271



Tritanopia

84.5747, 0.3063, 0.3111

Trichromacy



Original Color

84.4587, 0.3177, 0.3362

Protanomaly

84.3488, 0.3205, 0.3361

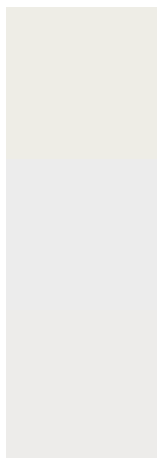
Deuteranomaly

84.2438, 0.3243, 0.3300

Tritanomaly

84.4736, 0.3105, 0.3200

Monochromacy



Original Color

84.4587, 0.3177, 0.3362

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.9359, 0.3146, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.4587, 0.3177, 0.3362 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(238, 237, 230)` looks like.

```
.text, #text, p{  
    color:rgb(238, 237, 230)  
}
```

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(238, 237, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 237, 230) }
```

Border

The CSS property to change the border of an element to Yxy 84.4587, 0.3177, 0.3362 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(238, 237, 230) }
```

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

```
.border{ border-color:rgb(238, 237, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 237, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 237, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 237, 230);  
box-shadow:4px 4px 4px 4px rgb(238, 237,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 84.4587, 0.3177, 0.3362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 237, 230) }
```

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

```
.background{ background-color: rgb(238,  
237, 230) }
```

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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