

Converting Colors

$Y_{xy}(83.9213, 0.3260, 0.3470)$

Have a look what the booklet for
Yxy(83.9213, 0.3260, 0.3470)
contains.

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Color

Yxy(84.2081, 0.3260, 0.3475)

Conversions

Conversions Part 1

Format	Color
Hex	F0EDDB
RGB	240, 237, 219
RGB Percent	94%, 93%, 86%
CMY	0.0590, 0.0705, 0.1411
CMYK	0.00, 0.01, 0.09, 0.06
HSL	52°, 41%, 90%
HSV	52°, 9%, 94%
XYZ	78.9981, 84.2081, 79.1193
YIQ	235.8450, 7.5660, -4.9620

Conversions

Conversions Part 2

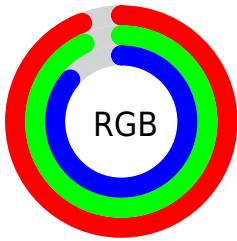
Format	Color
R _Y B	223, 240, 219
Decimal	15789531
CIE Lab	93.54, -2.05, 9.06
CIE LCh	94, 9.287, 102.767
Yxy	84.2081, 0.3260, 0.3475
Android (android.graphics.Color)	4293979611 (0xFFFF0EDDB)
YUV	235.8450, -8.3046, 3.6439
Hunter-Lab	91.7650, -6.9226, 13.1160

Details

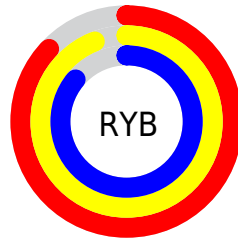
The Yxy color **84.2081, 0.3260, 0.3475** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **73.5774, 0.2992, 0.3098**, and the grayscale version is **83.8159, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.9184, 0.3291, 0.3515** is the 20% darker color. If you saturate the color by 10%, you get **81.0991, 0.3421, 0.3694**, and if you desaturate by 10%, it is **87.5436, 0.3108, 0.3264**.

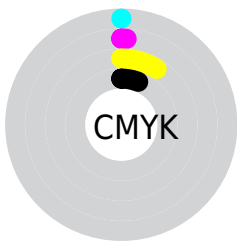
Distribution



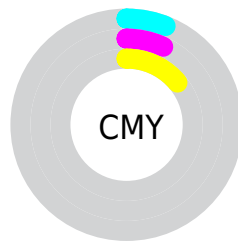
- Red (94%)
- Green (93%)
- Blue (86%)



- Red (87%)
- Yellow (94%)
- Blue (86%)



- Cyan (0%)
- Magenta (1%)
- Yellow (9%)
- Black (6%)



- Cyan (6%)
- Magenta (7%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.2081, 0.3260, 0.3475 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 84.2081, 0.3260, 0.3475 by changing the saturation by 10% instead.

84.2081, 0.3260,
0.3475

84.2081, 0.3260,
0.3475

509.0040, 0.3200,
0.3391

63.1873, 0.3273,
0.3494

139.2662, 0.3240,
0.3446

45.9927, 0.3289,
0.3517

174.0723, 0.3232,
0.3435

32.2401, 0.3310,
0.3545

214.2423, 0.3225,
0.3425

21.5449, 0.3336,
0.3583

260.1605, 0.3219,
0.3417

13.5229, 0.3370,
0.3632

312.2114, 0.3213,
0.3409

7.7896, 0.3418,
0.3702

370.7794, 0.3208,

3.9606, 0.3490,

0.3403

0.3807

436.2488, 0.3204,
0.3397

■ 1.6516, 0.3606,
0.3983

■ 0.3920, 0.4514,
0.5486

■ 84.2081, 0.3260,
0.3475

■ 84.2081, 0.3260,
0.3475

■ 81.0991, 0.3421,
0.3694

■ 87.5436, 0.3108,
0.3264

■ 78.1975, 0.3588,
0.3916

■ 90.3040, 0.3037,
0.3179

■ 75.4985, 0.3756,
0.4132

■ 92.3536, 0.3036,
0.3213

■ 72.9929, 0.3921,
0.4335

■ 94.4406, 0.3036,
0.3246

■ 70.6706, 0.4075,
0.4514

■ 96.5653, 0.3035,
0.3279

■ 68.5206, 0.4211,
0.4659

■ 97.2591, 0.3035,
0.3290

■ 66.5300, 0.4323,
0.4761

■ 64.6840, 0.4407,
0.4818

■ 62.9606, 0.4464,
0.4832

Harmonies

Analogous

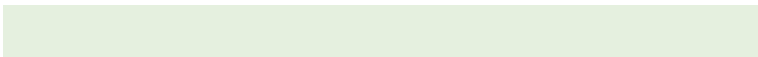
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.2081, 0.3324, 0.3437



84.2081, 0.3260, 0.3475



84.2081, 0.3161, 0.3463

Triad

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



84.2081, 0.3260, 0.3475



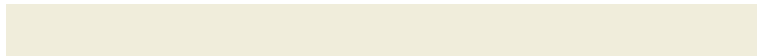
84.2081, 0.2924, 0.3214



84.2081, 0.3199, 0.3183

Complementary

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



84.2081, 0.3260, 0.3475



73.5774, 0.2992, 0.3098

Split Complementary

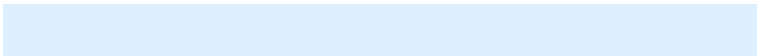
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.2081, 0.3091, 0.3125



84.2081, 0.3260, 0.3475



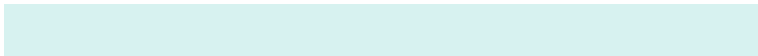
84.2081, 0.2934, 0.3141

Square

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



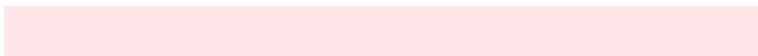
84.2081, 0.3260, 0.3475



84.2081, 0.2968, 0.3310



84.2081, 0.2994, 0.3109



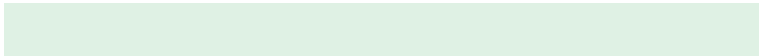
84.2081, 0.3288, 0.3268

Rectangle

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



84.2081, 0.3260, 0.3475



84.2081, 0.3089, 0.3426



84.2081, 0.2994, 0.3109



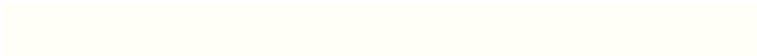
84.2081, 0.3163, 0.3159

Sweetspot

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



84.2118, 0.3260, 0.3475



98.8317, 0.3172, 0.3353



74.4741, 0.3257, 0.3258



21.0881, 0.3184, 0.3370



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.



84.2118, 0.3260, 0.3475



96.1956, 0.3280, 0.3503



84.6769, 0.3207, 0.3508



18.0573, 0.3272, 0.3491



34.5089, 0.4465, 0.4837



2.9740, 0.4424, 0.4870

Inverse Universe

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



73.5774, 0.2992, 0.3098



82.2895, 0.2970, 0.3067



73.1870, 0.3042, 0.3069



15.5877, 0.2980, 0.3081



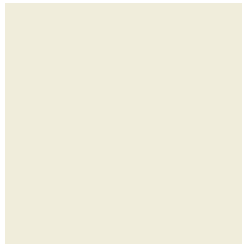
4.1762, 0.1531, 0.0713



0.4580, 0.1585, 0.0905

Previews

White Background



This preview shows how the Yxy color 84.2081, 0.3260, 0.3475 looks on a white background.

Color Contrast Check

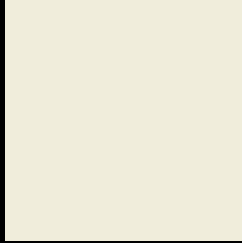
Large Text (above 18pt) WCAG AA × Fail

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 84.2081, 0.3260, 0.3475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

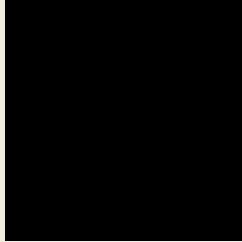
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

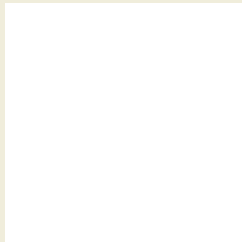
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.2081, 0.3260, 0.3475

Background



This preview shows how black text looks on a background with the Yxy color 84.2081, 0.3260, 0.3475.

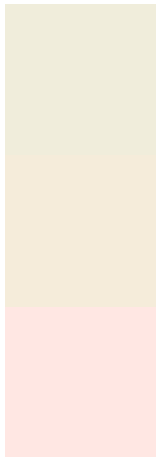


This preview shows how white text looks on a background with the Yxy color 84.2081, 0.3260, 0.3475.

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

84.2081, 0.3260, 0.3475

Protanopia

84.4653, 0.3302, 0.3473

Deuteranopia

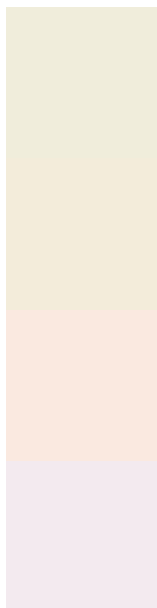
83.9579, 0.3319, 0.3330



Tritanopia

84.0907, 0.3096, 0.3102

Trichromacy



Original Color

84.2081, 0.3260, 0.3475

Protanomaly

84.1075, 0.3289, 0.3474

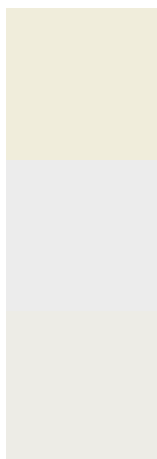
Deuteranomaly

83.9836, 0.3302, 0.3381

Tritanomaly

84.1323, 0.3156, 0.3240

Monochromacy



Original Color

84.2081, 0.3260, 0.3475

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.7086, 0.3171, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.2081, 0.3260, 0.3475 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(240, 237, 219)` looks like.

```
.text, #text, p{  
    color:rgb(240, 237, 219)  
}
```

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(240, 237, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 237, 219) }
```

Border

The CSS property to change the border of an element to Yxy 84.2081, 0.3260, 0.3475 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(240, 237, 219) }
```

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

```
.border{ border-color:rgb(240, 237, 219) }
```

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

Here you see how a box with a 4 pixel rgb(240, 237, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 237, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 237, 219);  
box-shadow:4px 4px 4px 4px rgb(240, 237,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 84.2081, 0.3260, 0.3475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 237, 219) }
```

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

```
.background{ background-color: rgb(240,  
237, 219) }
```

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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