

Converting Colors

$Yxy(84.7436, 0.3269, 0.3566)$

Have a look what the booklet for
Yxy(84.7436, 0.3269, 0.3566)
contains.

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Color

Yxy(84.9571, 0.3268, 0.3570)

Conversions

Conversions Part 1

Format	Color
Hex	ECF0D5
RGB	236, 240, 213
RGB Percent	93%, 94%, 84%
CMY	0.0744, 0.0588, 0.1647
CMYK	0.02, 0.00, 0.11, 0.06
HSL	69°, 47%, 89%
HSV	69°, 11%, 94%
XYZ	77.7703, 84.9571, 75.2477
YIQ	235.7260, 6.2830, -9.2450

Conversions

Conversions Part 2

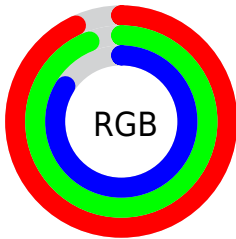
Format	Color
R _Y B	213, 240, 217
Decimal	15528149
CIE Lab	93.86, -5.90, 12.60
CIE LCh	94, 13.909, 115.082
Yxy	84.9571, 0.3268, 0.3570
Android (android.graphics.Color)	4293718229 (0xFFE0F0D5)
YUV	235.7260, -11.2039, 0.2403
Hunter-Lab	92.1722, -10.6920, 16.1172

Details

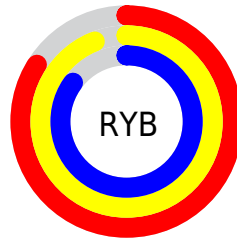
The Yxy color $84.9571, 0.3268, 0.3570$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $68.6242, 0.2977, 0.2999$, and the grayscale version is $83.7495, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $46.4529, 0.3300, 0.3638$ is the 20% darker color. If you saturate the color by 10%, you get $83.2338, 0.3395, 0.3830$, and if you desaturate by 10%, it is $86.8800, 0.3143, 0.3320$.

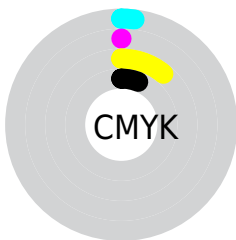
Distribution



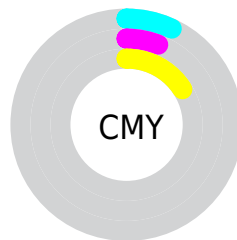
- Red (93%)
- Green (94%)
- Blue (84%)



- Red (84%)
- Yellow (94%)
- Blue (85%)



- Cyan (2%)
- Magenta (0%)
- Yellow (11%)
- Black (6%)





- Cyan (7%)
- Magenta (6%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.9571, 0.3268, 0.3570 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 84.9571, 0.3268, 0.3570 by changing the saturation by 10% instead.

 84.9571, 0.3268,
0.3570

 84.9571, 0.3268,
0.3570

511.4861, 0.3205,
0.3443

 63.8059, 0.3282,
0.3599

140.3132, 0.3247,
0.3526

 46.4935, 0.3298,
0.3634

175.2870, 0.3238,
0.3509

 32.6354, 0.3319,
0.3678

215.6371, 0.3231,
0.3494

 21.8473, 0.3345,
0.3735

261.7479, 0.3225,
0.3481

 13.7448, 0.3380,
0.3812

314.0038, 0.3219,
0.3470

 7.9434, 0.3427,
0.3920

372.7892, 0.3214,

 4.0587, 0.3495,

0.3460

0.4083

438.4885, 0.3209,
0.3451

■ 1.7065, 0.3608,
0.4369

■ 0.4278, 0.3804,
0.6196

■ 84.9571, 0.3268,
0.3570

■ 84.9571, 0.3268,
0.3570

■ 83.2338, 0.3395,
0.3830

■ 86.8800, 0.3143,
0.3320

■ 81.6911, 0.3520,
0.4092


■ 88.6066, 0.3057,
0.3142

■ 80.3242, 0.3637,
0.4350


■ 89.2395, 0.3080,
0.3143


■ 79.1237, 0.3742,
0.4592


■ 89.8845, 0.3102,
0.3145


 78.0795, 0.3828,
0.4808

 90.5417, 0.3125,
0.3146

 77.1802, 0.3892,
0.4987

 90.7980, 0.3134,
0.3146

 76.4129, 0.3929,
0.5123

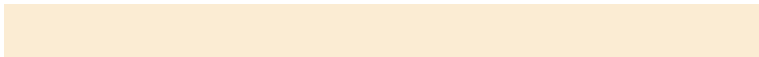
 75.7618, 0.3940,
0.5213

 75.2657, 0.3932,
0.5260

Harmonies

Analogous

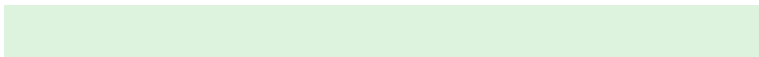
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.9571, 0.3390, 0.3540



84.9571, 0.3268, 0.3570



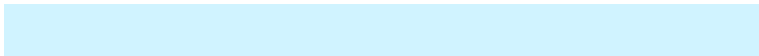
84.9571, 0.3110, 0.3520

Triad

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



84.9571, 0.3268, 0.3570



84.9571, 0.2822, 0.3124



84.9571, 0.3294, 0.3179

Complementary

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



84.9571, 0.3268, 0.3570



68.6242, 0.2977, 0.2999

Split Complementary

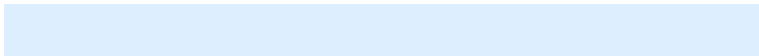
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.9571, 0.3138, 0.3074



84.9571, 0.3268, 0.3570



84.9571, 0.2868, 0.3040

Square

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



84.9571, 0.3268, 0.3570



84.9571, 0.2855, 0.3257



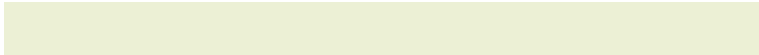
84.9571, 0.2983, 0.3024



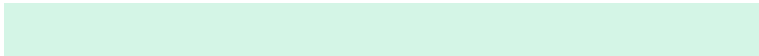
84.9571, 0.3407, 0.3313

Rectangle

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



84.9571, 0.3268, 0.3570



84.9571, 0.3006, 0.3448



84.9571, 0.2983, 0.3024



84.9571, 0.3245, 0.3139

Sweetspot

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



84.9608, 0.3268, 0.3570



99.3047, 0.3164, 0.3363



72.7473, 0.3324, 0.3328



21.2163, 0.3174, 0.3383



0.0000, 0.0000, 0.0000



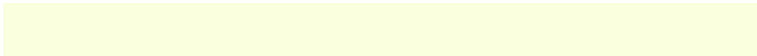
21.4041, 0.3127, 0.3290

Same Dimension

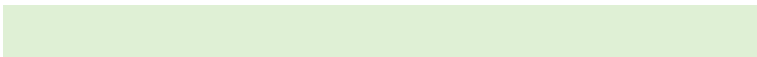
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.9608, 0.3268, 0.3570



97.1349, 0.3291, 0.3616



82.7937, 0.3179, 0.3578



18.3347, 0.3246, 0.3525



41.2488, 0.3937, 0.5256



3.4632, 0.3973, 0.5228

Inverse Universe

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



68.6242, 0.2977, 0.2999



75.6674, 0.2951, 0.2949



70.7176, 0.3069, 0.3007



15.3400, 0.3002, 0.3047



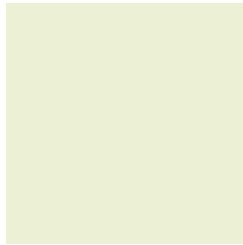
3.6762, 0.1560, 0.0633



0.3396, 0.1660, 0.0688

Previews

White Background



This preview shows how the Yxy color 84.9571, 0.3268, 0.3570 looks on a white background.

Color Contrast Check

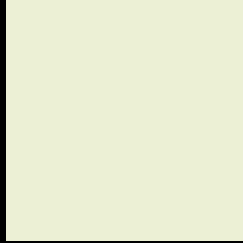
Large Text (above 18pt) WCAG AA × Fail

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 84.9571, 0.3268, 0.3570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

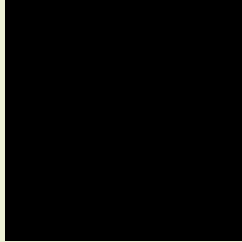
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

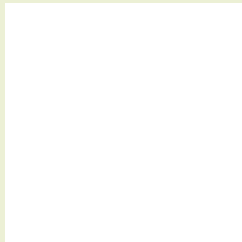
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.9571, 0.3268, 0.3570

Background



This preview shows how black text looks on a background with the Yxy color 84.9571, 0.3268, 0.3570.

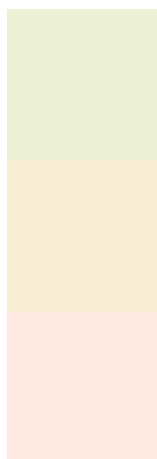


This preview shows how white text looks on a background with the Yxy color 84.9571, 0.3268, 0.3570.

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

84.9571, 0.3268, 0.3570

Protanopia

84.6505, 0.3369, 0.3544

Deuteranopia

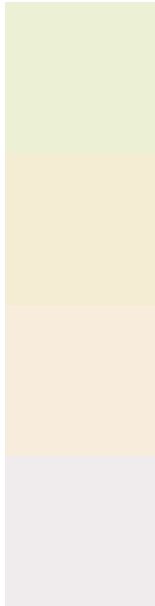
84.9741, 0.3330, 0.3370



Tritanopia

84.8147, 0.3063, 0.3101

Trichromacy



Original Color

84.9571, 0.3268, 0.3570

Protanomaly

84.5549, 0.3333, 0.3546

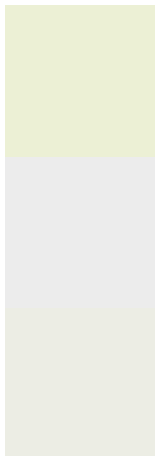
Deuteranomaly

85.1678, 0.3304, 0.3442

Tritanomaly

84.6892, 0.3141, 0.3270

Monochromacy



Original Color

84.9571, 0.3268, 0.3570

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.0027, 0.3176, 0.3383

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.9571, 0.3268, 0.3570 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(236, 240, 213)` looks like.

```
.text, #text, p{  
    color:rgb(236, 240, 213)  
}
```

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(236, 240, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 240, 213) }
```

Border

The CSS property to change the border of an element to Yxy 84.9571, 0.3268, 0.3570 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(236, 240, 213) }
```

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

```
.border{ border-color:rgb(236, 240, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 240, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 240, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 240, 213);  
box-shadow:4px 4px 4px 4px rgb(236, 240,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 84.9571, 0.3268, 0.3570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 240, 213) }
```

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

```
.background{ background-color: rgb(236,  
240, 213) }
```

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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