

Converting Colors

$Y_{xy}(84.6212, 0.3368, 0.3426)$

Have a look what the booklet for
Yxy(84.6212, 0.3368, 0.3426)
contains.

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Color

Yxy(84.6523, 0.3370, 0.3430)

Conversions

Conversions Part 1

Format	Color
Hex	FFE9DB
RGB	255, 233, 219
RGB Percent	100%, 91%, 86%
CMY	0.0000, 0.0863, 0.1412
CMYK	0.00, 0.09, 0.14, 0.00
HSL	23°, 100%, 93%
HSV	23°, 14%, 100%
XYZ	83.1715, 84.6523, 78.9759
YIQ	237.9820, 17.6060, 0.3100

Conversions

Conversions Part 2

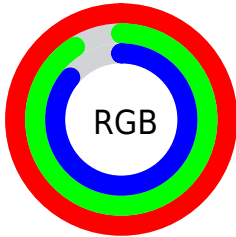
Format	Color
R _Y B	255, 242, 219
Decimal	16771547
CIE Lab	93.73, 5.26, 9.50
CIE LCh	94, 10.855, 61.041
Yxy	84.6523, 0.3370, 0.3430
Android (android.graphics.Color)	4294961627 (0xFFFFE9DB)
YUV	237.9820, -9.3581, 14.9248
Hunter-Lab	92.0067, 0.3474, 13.5118

Details

The Yxy color **84.6523, 0.3370, 0.3430** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.1952, 0.2907, 0.3146**, and the grayscale version is **85.5478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.1304, 0.3425, 0.3457** is the 20% darker color. If you saturate the color by 10%, you get **74.9711, 0.3577, 0.3536**, and if you desaturate by 10%, it is **95.3174, 0.3192, 0.3329**.

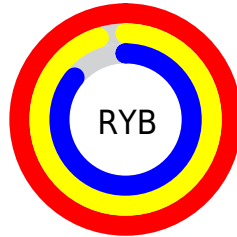
Distribution



Red (100%)

Green (91%)

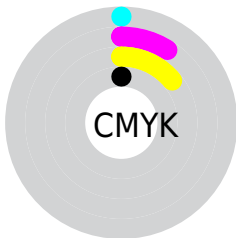
Blue (86%)



Red (100%)

Yellow (95%)

Blue (86%)

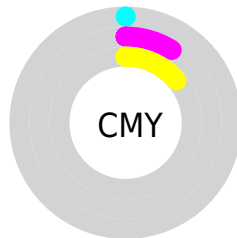


Cyan (0%)

Magenta (9%)

Yellow (14%)

Black (0%)



Cyan (0%)


Magenta (9%)

Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.6523, 0.3370, 0.3430 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 84.6523, 0.3370, 0.3430 by changing the saturation by 10% instead.


 84.6523, 0.3370,
0.3430

 84.6523, 0.3370,
0.3430

510.4768, 0.3260,
0.3368

 63.5541, 0.3395,
0.3444


139.8873, 0.3332,
0.3409

 46.2896, 0.3425,
0.3460

174.7929, 0.3318,
0.3401

 32.4744, 0.3462,
0.3481


215.0697, 0.3305,
0.3393

 21.7241, 0.3511,
0.3507

261.1023, 0.3294,
0.3387

 13.6543, 0.3576,
0.3541

313.2748, 0.3284,
0.3381

 7.8807, 0.3666,
0.3587

371.9719, 0.3275,

 4.0187, 0.3803,

0.3376

0.3654

437.5777, 0.3267,
0.3372

■ 1.6840, 0.4029,
0.3758

■ 0.4133, 0.5577,
0.4423

■ 84.6523, 0.3370,
0.3430

■ 84.6523, 0.3370,
0.3430

■ 74.9711, 0.3577,
0.3536

■ 95.3174, 0.3192,
0.3329

■ 66.2465, 0.3816,
0.3644

100.0000, 0.3127,
0.3290

■ 58.4467, 0.4090,
0.3748

■ 51.5391, 0.4394,
0.3842

■ 45.4886, 0.4720,
0.3912

■ 40.2577, 0.5052,
0.3947

■ 35.8051, 0.5364,
0.3934

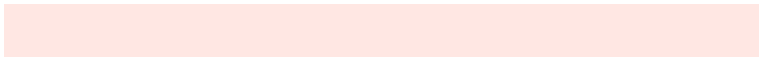
■ 32.0843, 0.5630,
0.3866

■ 30.2092, 0.5761,
0.3807

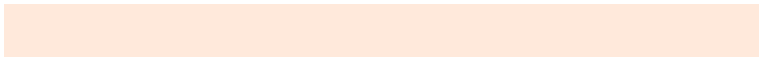
Harmonies

Analogous

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



84.6523, 0.3356, 0.3330



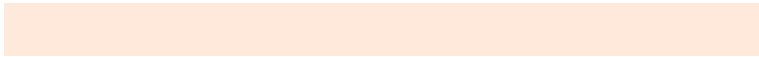
84.6523, 0.3370, 0.3430



84.6523, 0.3318, 0.3495

Triad

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



84.6523, 0.3370, 0.3430



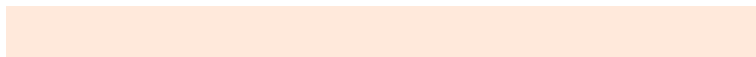
84.6523, 0.2976, 0.3357



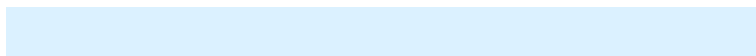
84.6523, 0.3037, 0.3084

Complementary

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



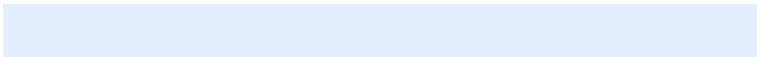
84.6523, 0.3370, 0.3430



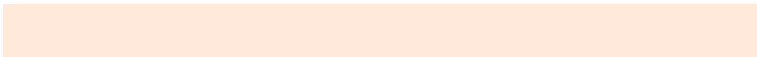
85.1952, 0.2907, 0.3146

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.



84.6523, 0.2938, 0.3088



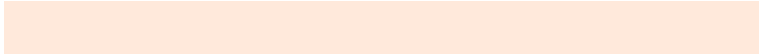
84.6523, 0.3370, 0.3430



84.6523, 0.2904, 0.3243

Square

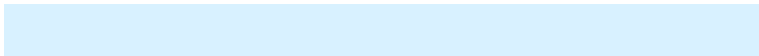
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.6523, 0.3370, 0.3430



84.6523, 0.3089, 0.3454



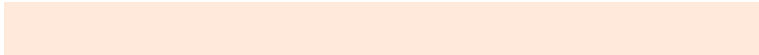
84.6523, 0.2890, 0.3144



84.6523, 0.3162, 0.3134

Rectangle

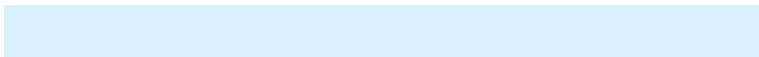
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.6523, 0.3370, 0.3430



84.6523, 0.3253, 0.3508



84.6523, 0.2890, 0.3144



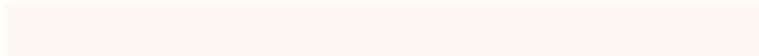
84.6523, 0.3000, 0.3079

Sweetspot

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



84.6517, 0.3370, 0.3430



95.4468, 0.3191, 0.3328



78.2885, 0.3236, 0.3071



20.2501, 0.3203, 0.3336



0.0000, 0.0000, 0.0000



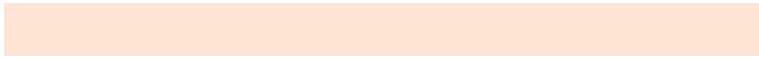
21.4041, 0.3127, 0.3290

Same Dimension

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



84.6517, 0.3370, 0.3430



81.7597, 0.3426, 0.3460



95.2445, 0.3345, 0.3602



19.1451, 0.3285, 0.3383



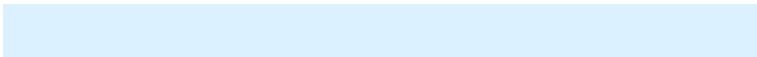
16.0534, 0.5732, 0.3831



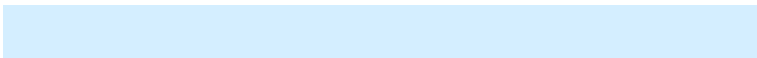
1.7677, 0.5521, 0.3998

Inverse Universe

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



85.1952, 0.2907, 0.3146



82.3999, 0.2861, 0.3114



75.1654, 0.2901, 0.2958



19.2261, 0.2979, 0.3195



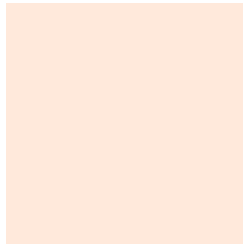
16.4717, 0.1878, 0.1960



1.8162, 0.1924, 0.2128

Previews

White Background



This preview shows how the Yxy color 84.6523, 0.3370, 0.3430 looks on a white background.

Color Contrast Check

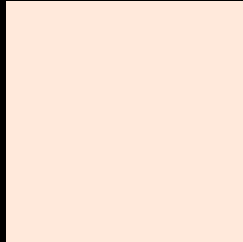
Large Text (above 18pt) WCAG AA × Fail

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 84.6523, 0.3370, 0.3430 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 84.6523, 0.3370, 0.3430

Background



This preview shows how black text looks on a background with the Yxy color 84.6523, 0.3370, 0.3430.

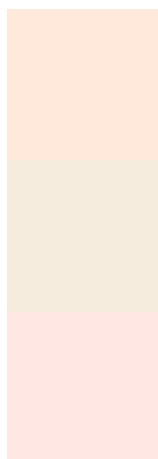


This preview shows how white text looks on a background with the Yxy color 84.6523, 0.3370, 0.3430.

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

84.6523, 0.3370, 0.3430

Protanopia

84.6238, 0.3283, 0.3443

Deuteranopia

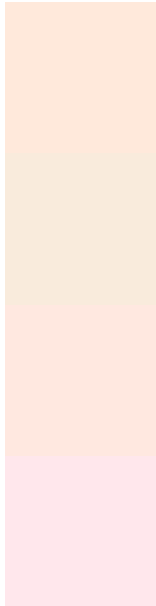
84.5193, 0.3318, 0.3340



Tritanopia

84.4462, 0.3202, 0.3144

Trichromacy



Original Color

84.6523, 0.3370, 0.3430

Protanomaly

84.7237, 0.3319, 0.3442

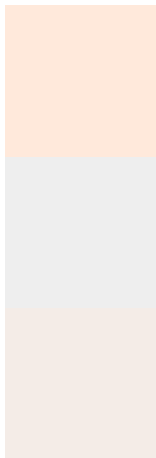
Deuteranomaly

84.3550, 0.3338, 0.3370

Tritanomaly

84.4680, 0.3260, 0.3241

Monochromacy



Original Color

84.6523, 0.3370, 0.3430

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

84.9935, 0.3212, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.6523, 0.3370, 0.3430 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(255, 233, 219)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 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(255, 233, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 219) }
```

Border

The CSS property to change the border of an element to Yxy 84.6523, 0.3370, 0.3430 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(255, 233, 219) }
```

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

```
.border{ border-color:rgb(255, 233, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 233, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 219);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6523, 0.3370, 0.3430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 219) }
```

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

```
.background{ background-color: rgb(255,  
233, 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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