

Converting Colors

$Y_{xy}(82.8441, 0.3399, 0.3435)$

Have a look what the booklet for
Yxy(82.8441, 0.3399, 0.3435)
contains.

Yxy(82.8115, 0.3394, 0.3431)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(82.8115, 0.3394, 0.3431)

Conversions

Conversions Part 1

Format	Color
Hex	FFE6D8
RGB	255, 230, 216
RGB Percent	100%, 90%, 85%
CMY	0.0002, 0.0980, 0.1529
CMYK	0.00, 0.10, 0.15, 0.00
HSL	22°, 100%, 92%
HSV	22°, 15%, 100%
XYZ	81.9185, 82.8115, 76.6326
YIQ	235.8790, 19.3940, 0.9460

Conversions

Conversions Part 2

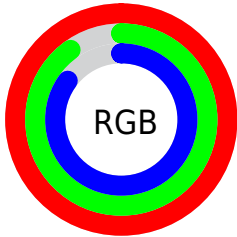
Format	Color
R _Y B	255, 238, 216
Decimal	16770776
CIE Lab	92.93, 6.30, 9.91
CIE LCh	93, 11.742, 57.578
Yxy	82.8115, 0.3394, 0.3431
Android (android.graphics.Color)	4294960856 (0xFFFFE6D8)
YUV	235.8790, -9.8003, 16.7691
Hunter-Lab	91.0008, 1.4333, 13.7719

Details

The Yxy color **82.8115, 0.3394, 0.3431** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.6869, 0.2889, 0.3145**, and the grayscale version is **83.8472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.2389, 0.3456, 0.3470** is the 20% darker color. If you saturate the color by 10%, you get **72.9345, 0.3608, 0.3530**, and if you desaturate by 10%, it is **93.7507, 0.3212, 0.3337**.

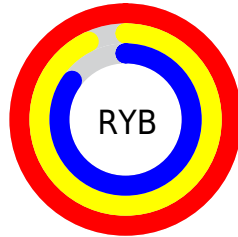
Distribution



Red (100%)

Green (90%)

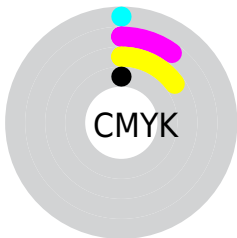
Blue (85%)



Red (100%)

Yellow (93%)

Blue (85%)

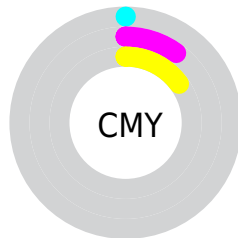


Cyan (0%)

Magenta (10%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (10%)


Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.8115, 0.3394, 0.3431 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 82.8115, 0.3394, 0.3431 by changing the saturation by 10% instead.

 82.8115, 0.3394,
0.3431

 82.8115, 0.3394,
0.3431


504.3581, 0.3273,
0.3368

 62.0347, 0.3421,
0.3445


137.3114, 0.3352,
0.3410

 45.0607, 0.3455,
0.3461


171.8033, 0.3336,
0.3401

 31.5052, 0.3497,
0.3482


211.6356, 0.3322,
0.3394

 20.9839, 0.3551,
0.3508


257.1928, 0.3310,
0.3388

 13.1122, 0.3623,
0.3542

308.8593, 0.3299,
0.3382

 7.5059, 0.3726,
0.3589

367.0194, 0.3289,

 3.7804, 0.3880,

0.3377

0.3655

432.0575, 0.3280,
0.3373

■ 1.5515, 0.4142,
0.3760

■ 0.3246, 0.5875,
0.4125

■ 82.8115, 0.3394,
0.3431

■ 82.8115, 0.3394,
0.3431

■ 72.9345, 0.3608,
0.3530

■ 93.7507, 0.3212,
0.3337

■ 64.0761, 0.3856,
0.3630

99.9911, 0.3127,
0.3290

■ 56.2056, 0.4141,
0.3726

■ 49.2864, 0.4458,
0.3810

■ 43.2797, 0.4799,
0.3871

■ 38.1435, 0.5144,
0.3894

■ 33.8315, 0.5466,
0.3870

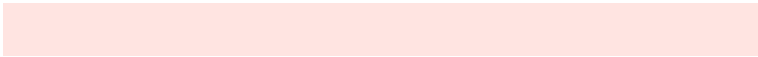
■ 30.2919, 0.5734,
0.3793

■ 28.8657, 0.5841,
0.3744

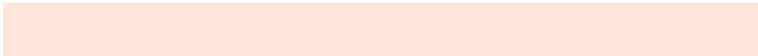
Harmonies

Analogous

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



82.8115, 0.3370, 0.3320



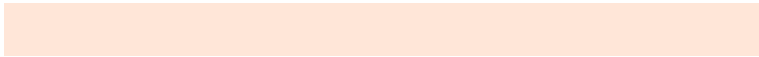
82.8115, 0.3394, 0.3431



82.8115, 0.3345, 0.3508

Triad

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



82.8115, 0.3394, 0.3431



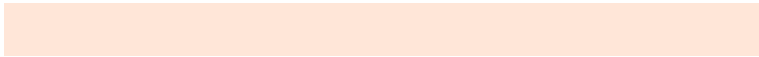
82.8115, 0.2975, 0.3377



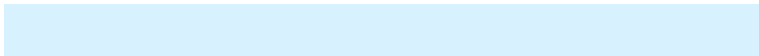
82.8115, 0.3014, 0.3064

Complementary

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



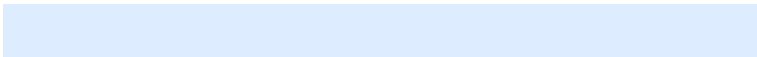
82.8115, 0.3394, 0.3431



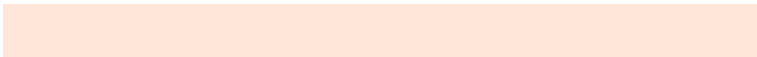
84.6869, 0.2889, 0.3145

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.



82.8115, 0.2912, 0.3074



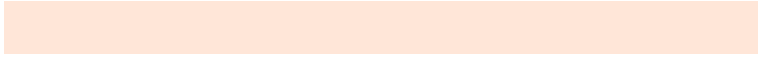
82.8115, 0.3394, 0.3431



82.8115, 0.2890, 0.3252

Square

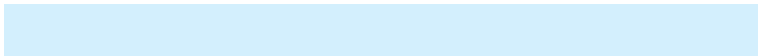
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.8115, 0.3394, 0.3431



82.8115, 0.3102, 0.3479



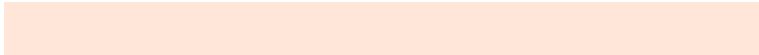
82.8115, 0.2867, 0.3141



82.8115, 0.3149, 0.3111

Rectangle

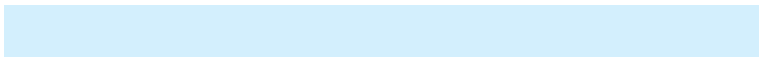
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.8115, 0.3394, 0.3431



82.8115, 0.3278, 0.3528



82.8115, 0.2867, 0.3141



82.8115, 0.2975, 0.3060

Sweetspot

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



82.8152, 0.3394, 0.3431



94.1092, 0.3207, 0.3335



76.7339, 0.3237, 0.3040



19.9707, 0.3219, 0.3341



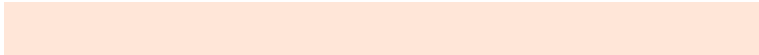
0.0000, 0.0000, 0.0000



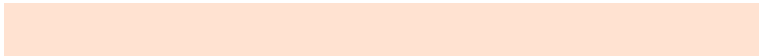
21.4041, 0.3127, 0.3290

Same Dimension

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



82.8152, 0.3394, 0.3431



80.0556, 0.3449, 0.3458



94.0287, 0.3366, 0.3616



19.0571, 0.3285, 0.3376



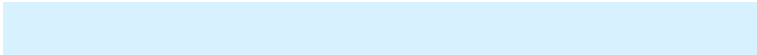
15.3455, 0.5811, 0.3768



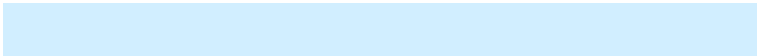
1.6923, 0.5595, 0.3939

Inverse Universe

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



84.6869, 0.2889, 0.3145



82.2179, 0.2846, 0.3116



73.9763, 0.2881, 0.2942



19.3170, 0.2980, 0.3202



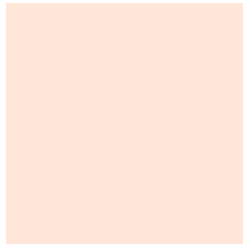
17.7925, 0.1907, 0.2063



1.9396, 0.1950, 0.2219

Previews

White Background



This preview shows how the Yxy color 82.8115, 0.3394, 0.3431 looks on a white background.

Color Contrast Check

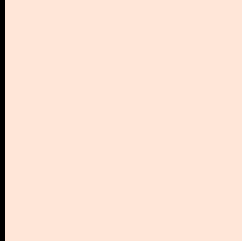
Large Text (above 18pt) WCAG AA × Fail

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 82.8115, 0.3394, 0.3431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

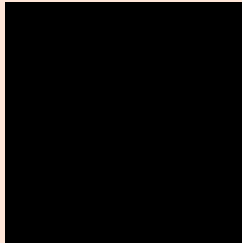
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.8115, 0.3394, 0.3431

Background



This preview shows how black text looks on a background with the Yxy color 82.8115, 0.3394, 0.3431.

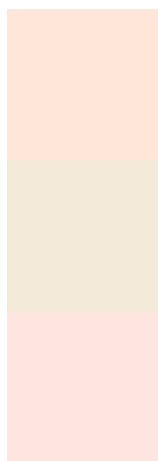


This preview shows how white text looks on a background with the Yxy color 82.8115, 0.3394, 0.3431.

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

82.8115, 0.3394, 0.3431

Protanopia

82.9623, 0.3291, 0.3454

Deuteranopia

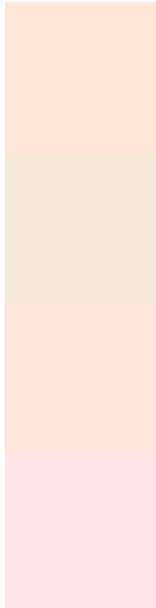
82.6263, 0.3349, 0.3350



Tritanopia

82.6090, 0.3224, 0.3143

Trichromacy



Original Color

82.8115, 0.3394, 0.3431

Protanomaly

83.0617, 0.3327, 0.3453

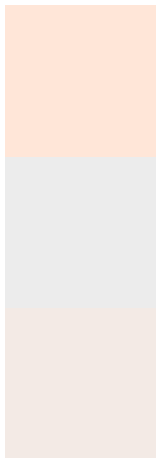
Deuteranomaly

82.4659, 0.3369, 0.3381

Tritanomaly

82.6300, 0.3283, 0.3241

Monochromacy



Original Color

82.8115, 0.3394, 0.3431

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.5575, 0.3220, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8115, 0.3394, 0.3431 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, 230, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 216)  
}
```

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, 230, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 216) }
```

Border

The CSS property to change the border of an element to Yxy 82.8115, 0.3394, 0.3431 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, 230, 216) }
```

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

```
.border{ border-color:rgb(255, 230, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 230, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8115, 0.3394, 0.3431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 216) }
```

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

```
.background{ background-color: rgb(255,  
230, 216) }
```

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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