

Converting Colors

$Y_{xy}(83.9207, 0.3364, 0.3404)$

Have a look what the booklet for
Yxy(83.9207, 0.3364, 0.3404)
contains.

Yxy(84.1405, 0.3365, 0.3410)	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(84.1405, 0.3365, 0.3410)

Conversions

Conversions Part 1

Format	Color
Hex	FFE8DC
RGB	255, 232, 220
RGB Percent	100%, 91%, 86%
CMY	0.0000, 0.0902, 0.1372
CMYK	0.00, 0.09, 0.14, 0.00
HSL	21°, 100%, 93%
HSV	21°, 14%, 100%
XYZ	83.0301, 84.1405, 79.5757
YIQ	237.5090, 17.5600, 1.1440

Conversions

Conversions Part 2

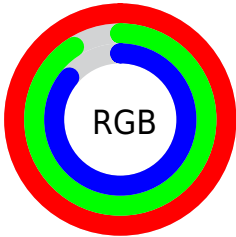
Format	Color
R _Y B	255, 238, 220
Decimal	16771292
CIE Lab	93.51, 5.94, 8.66
CIE LCh	94, 10.503, 55.560
Yxy	84.1405, 0.3365, 0.3410
Android (android.graphics.Color)	4294961372 (0xFFFFE8DC)
YUV	237.5090, -8.6319, 15.3396
Hunter-Lab	91.7281, 1.0498, 12.7746

Details

The Yxy color **84.1405, 0.3365, 0.3410** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.5468, 0.2913, 0.3167**, and the grayscale version is **85.1519, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.7730, 0.3419, 0.3431** is the 20% darker color. If you saturate the color by 10%, you get **73.8904, 0.3575, 0.3503**, and if you desaturate by 10%, it is **95.4835, 0.3186, 0.3321**.

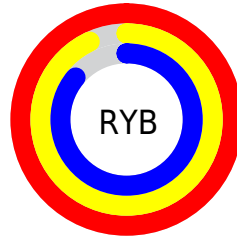
Distribution



Red (100%)

Green (91%)

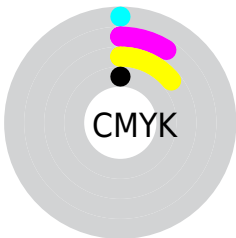
Blue (86%)



Red (100%)

Yellow (93%)

Blue (86%)

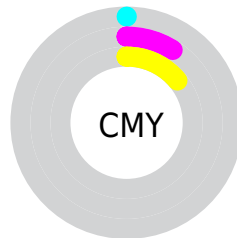


Cyan (0%)

Magenta (9%)

Yellow (14%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.1405, 0.3365, 0.3410 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 84.1405, 0.3365, 0.3410 by changing the saturation by 10% instead.

 84.1405, 0.3365,
0.3410

 84.1405, 0.3365,
0.3410

508.7797, 0.3257,
0.3357

 63.1314, 0.3389,
0.3422


139.1717, 0.3328,
0.3392

 45.9476, 0.3419,
0.3436


173.9626, 0.3314,
0.3385

 32.2044, 0.3456,
0.3453


214.1163, 0.3301,
0.3379

 21.5177, 0.3503,
0.3475

260.0171, 0.3290,
0.3373

 13.5029, 0.3567,
0.3504

312.0495, 0.3280,
0.3368

 7.7758, 0.3657,
0.3544

370.5978, 0.3272,

 3.9518, 0.3793,

0.3364

0.3600

436.0464, 0.3264,
0.3360

■ 1.6466, 0.4019,
0.3687

■ 0.3887, 0.5696,
0.4304

■ 84.1405, 0.3365,
0.3410

■ 84.1405, 0.3365,
0.3410

■ 73.8904, 0.3575,
0.3503

■ 95.4835, 0.3186,
0.3321

■ 64.7196, 0.3820,
0.3599

100.0000, 0.3127,
0.3290

■ 56.5849, 0.4104,
0.3692

■ 49.4480, 0.4423,
0.3774

■ 43.2678, 0.4769,
0.3835

■ 38.0002, 0.5124,
0.3861

■ 33.5968, 0.5459,
0.3842

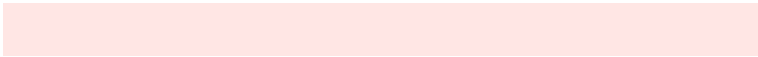
■ 30.0037, 0.5742,
0.3771

■ 28.1285, 0.5888,
0.3707

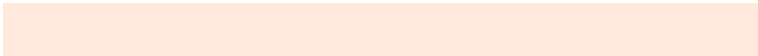
Harmonies

Analogous

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



84.1405, 0.3339, 0.3310



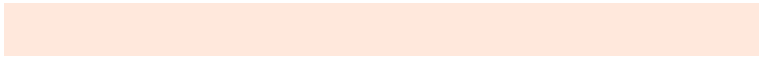
84.1405, 0.3365, 0.3410



84.1405, 0.3325, 0.3481

Triad

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



84.1405, 0.3365, 0.3410



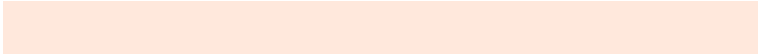
84.1405, 0.2999, 0.3374



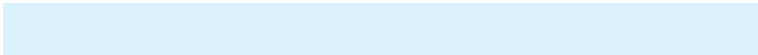
84.1405, 0.3020, 0.3087

Complementary

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



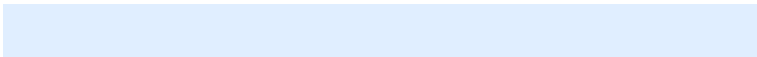
84.1405, 0.3365, 0.3410



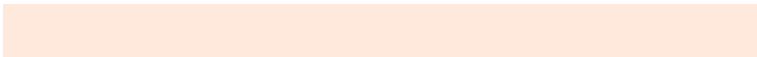
86.5468, 0.2913, 0.3167

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.



84.1405, 0.2931, 0.3100



84.1405, 0.3365, 0.3410



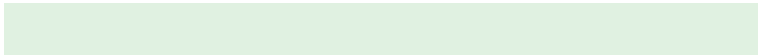
84.1405, 0.2919, 0.3264

Square

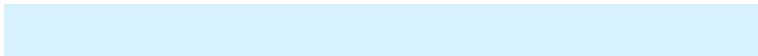
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.1405, 0.3365, 0.3410



84.1405, 0.3113, 0.3462



84.1405, 0.2895, 0.3164



84.1405, 0.3138, 0.3126

Rectangle

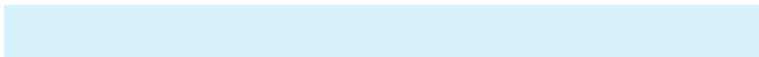
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.1405, 0.3365, 0.3410



84.1405, 0.3268, 0.3501



84.1405, 0.2895, 0.3164



84.1405, 0.2985, 0.3085

Sweetspot

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



84.1336, 0.3365, 0.3410



95.1554, 0.3191, 0.3324



78.9393, 0.3220, 0.3061



20.1765, 0.3203, 0.3330



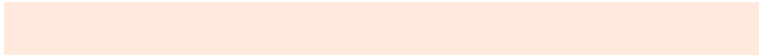
0.0000, 0.0000, 0.0000



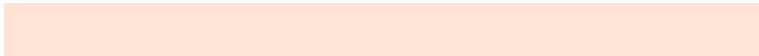
21.4041, 0.3127, 0.3290

Same Dimension

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



84.1336, 0.3365, 0.3410



81.7064, 0.3409, 0.3431



94.2822, 0.3341, 0.3576



19.0039, 0.3286, 0.3372



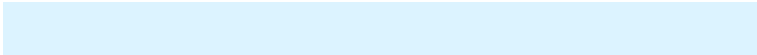
14.9460, 0.5858, 0.3731



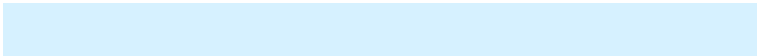
1.6490, 0.5639, 0.3904

Inverse Universe

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



86.5468, 0.2913, 0.3167



84.4738, 0.2878, 0.3145



76.7396, 0.2908, 0.2987



19.3725, 0.2980, 0.3207



18.6328, 0.1924, 0.2126



2.0176, 0.1965, 0.2274

Previews

White Background



This preview shows how the Yxy color 84.1405, 0.3365, 0.3410 looks on a white background.

Color Contrast Check

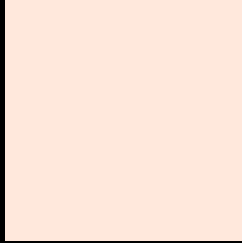
Large Text (above 18pt) WCAG AA × Fail

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 84.1405, 0.3365, 0.3410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

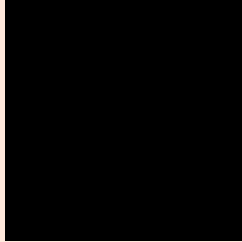
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.1405, 0.3365, 0.3410

Background



This preview shows how black text looks on a background with the Yxy color 84.1405, 0.3365, 0.3410.

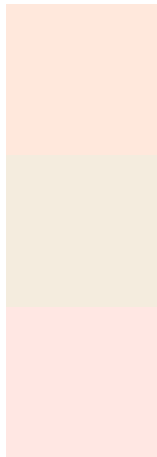


This preview shows how white text looks on a background with the Yxy color 84.1405, 0.3365, 0.3410.

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

84.1405, 0.3365, 0.3410

Protanopia

84.4979, 0.3270, 0.3433

Deuteranopia

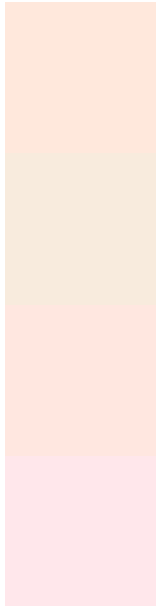
83.9579, 0.3319, 0.3330



Tritanopia

84.3853, 0.3209, 0.3153

Trichromacy



Original Color

84.1405, 0.3365, 0.3410

Protanomaly

84.5936, 0.3305, 0.3432

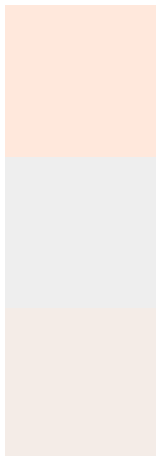
Deuteranomaly

83.7936, 0.3339, 0.3360

Tritanomaly

84.4100, 0.3266, 0.3251

Monochromacy



Original Color

84.1405, 0.3365, 0.3410

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 84.1405, 0.3365, 0.3410 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, 232, 220)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 220)  
}
```

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, 232, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 220) }
```

Border

The CSS property to change the border of an element to Yxy 84.1405, 0.3365, 0.3410 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, 232, 220) }
```

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

```
.border{ border-color:rgb(255, 232, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 232, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 220);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 84.1405, 0.3365, 0.3410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 220) }
```

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

```
.background{ background-color: rgb(255,  
232, 220) }
```

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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