

Converting Colors

$Y_{xy}(100.0000, 0.3820, 0.3406)$

Have a look what the booklet for
Yxy(100.0000, 0.3820, 0.3406)
contains.

Yxy(85.2729, 0.3362, 0.3430)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(85.2729, 0.3362, 0.3430)

Conversions

Conversions Part 1

Format	Color
Hex	FFEADC
RGB	255, 234, 220
RGB Percent	100%, 92%, 86%
CMY	0.0000, 0.0823, 0.1373
CMYK	0.00, 0.08, 0.14, 0.00
HSL	24°, 100%, 93%
HSV	24°, 14%, 100%
XYZ	83.5824, 85.2729, 79.7538
YIQ	238.6830, 17.0100, 0.0980

Conversions

Conversions Part 2

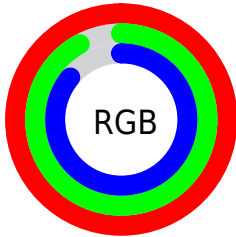
Format	Color
R _Y B	255, 243, 220
Decimal	16771804
CIE Lab	94.00, 4.89, 9.37
CIE LCh	94, 10.569, 62.449
Yxy	85.2729, 0.3362, 0.3430
Android (android.graphics.Color)	4294961884 (0xFFFEADC)
YUV	238.6830, -9.2107, 14.3100
Hunter-Lab	92.3433, -0.0358, 13.4336

Details

The Yxy color **85.2729, 0.3362, 0.3430** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.3340, 0.2913, 0.3146**, and the grayscale version is **86.1201, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.5632, 0.3414, 0.3456** is the 20% darker color. If you saturate the color by 10%, you get **75.6902, 0.3567, 0.3539**, and if you desaturate by 10%, it is **95.8164, 0.3186, 0.3327**.

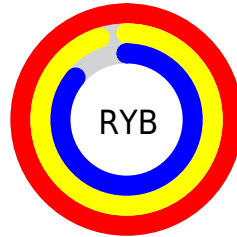
Distribution



Red (100%)

Green (92%)

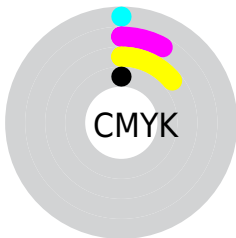
Blue (86%)



Red (100%)

Yellow (95%)

Blue (86%)

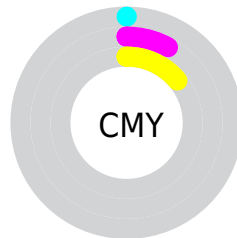


Cyan (0%)

Magenta (8%)

Yellow (14%)

Black (0%)



Cyan (0%)


Magenta (8%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.2729, 0.3362, 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 85.2729, 0.3362, 0.3430 by changing the saturation by 10% instead.

 85.2729, 0.3362,
0.3430

 85.2729, 0.3362,
0.3430


512.5306, 0.3256,
0.3368

 64.0669, 0.3386,
0.3444


140.7544, 0.3326,
0.3409

 46.7049, 0.3415,
0.3460


175.7987, 0.3311,
0.3401

 32.8024, 0.3451,
0.3481


216.2245, 0.3299,
0.3393

 21.9751, 0.3498,
0.3507

262.4163, 0.3288,
0.3387

 13.8386, 0.3560,
0.3541

314.7584, 0.3279,
0.3381

 8.0085, 0.3647,
0.3587

373.6352, 0.3270,

 4.1004, 0.3778,

0.3376

0.3655

439.4312, 0.3263,
0.3372

■ 1.7299, 0.3994,
0.3759

■ 0.4429, 0.5495,
0.4505

■ 85.2729, 0.3362,
0.3430

■ 85.2729, 0.3362,
0.3430

■ 75.6902, 0.3567,
0.3539

■ 95.8164, 0.3186,
0.3327

■ 67.0352, 0.3803,
0.3650

100.0000, 0.3127,
0.3290

■ 59.2800, 0.4072,
0.3758

■ 52.3930, 0.4371,
0.3854

■ 46.3409, 0.4692,
0.3929

■ 41.0874, 0.5018,
0.3968

■ 36.5932, 0.5326,
0.3959

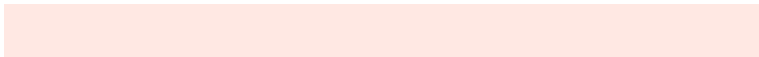
■ 32.8138, 0.5590,
0.3895

■ 30.7798, 0.5729,
0.3833

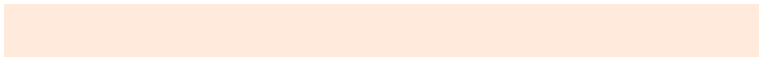
Harmonies

Analogous

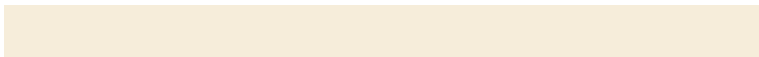
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.2729, 0.3351, 0.3334



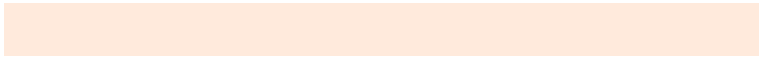
85.2729, 0.3362, 0.3430



85.2729, 0.3308, 0.3491

Triad

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



85.2729, 0.3362, 0.3430



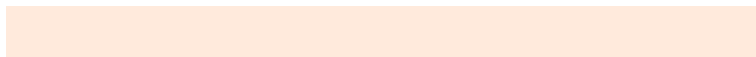
85.2729, 0.2976, 0.3350



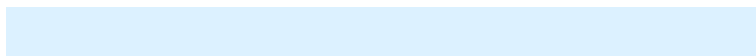
85.2729, 0.3045, 0.3091

Complementary

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



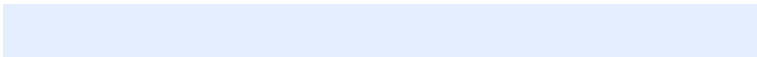
85.2729, 0.3362, 0.3430



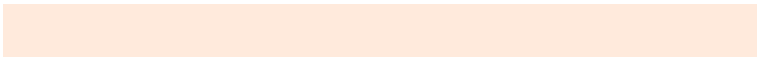
85.3340, 0.2913, 0.3146

Split Complementary

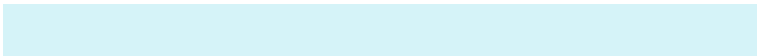
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.2729, 0.2947, 0.3092



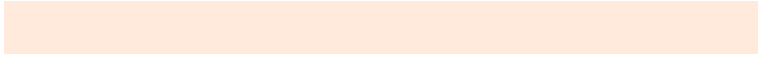
85.2729, 0.3362, 0.3430



85.2729, 0.2908, 0.3239

Square

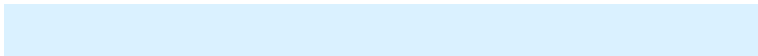
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.2729, 0.3362, 0.3430



85.2729, 0.3085, 0.3446



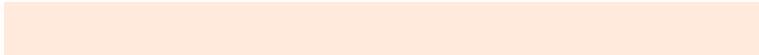
85.2729, 0.2898, 0.3145



85.2729, 0.3166, 0.3142

Rectangle

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



85.2729, 0.3362, 0.3430



85.2729, 0.3244, 0.3502



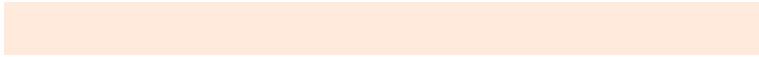
85.2729, 0.2898, 0.3145



85.2729, 0.3008, 0.3086

Sweetspot

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



85.2745, 0.3362, 0.3430



95.5197, 0.3190, 0.3329



78.7900, 0.3236, 0.3083



20.2686, 0.3203, 0.3337



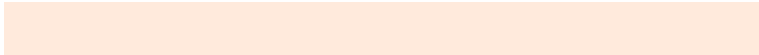
0.0000, 0.0000, 0.0000



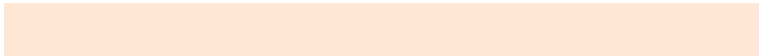
21.4041, 0.3127, 0.3290

Same Dimension

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



85.2745, 0.3362, 0.3430



83.0165, 0.3406, 0.3454



95.7329, 0.3338, 0.3598



19.1805, 0.3284, 0.3386



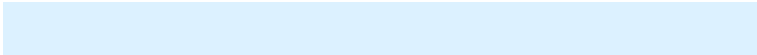
16.3559, 0.5700, 0.3857



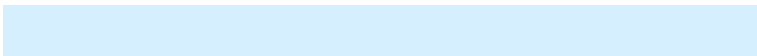
1.7994, 0.5491, 0.4022

Inverse Universe

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



85.3340, 0.2913, 0.3146



83.0839, 0.2877, 0.3120



75.4701, 0.2907, 0.2962



19.1897, 0.2979, 0.3192



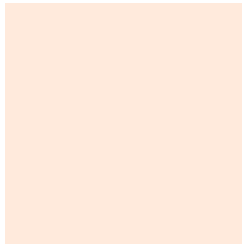
15.9623, 0.1866, 0.1919



1.7682, 0.1914, 0.2091

Previews

White Background



This preview shows how the Yxy color 85.2729, 0.3362, 0.3430 looks on a white background.

Color Contrast Check

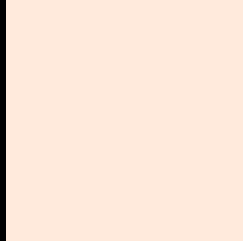
Large Text (above 18pt) WCAG AA × Fail

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 85.2729, 0.3362, 0.3430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

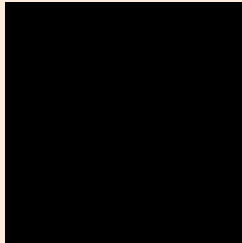
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.2729, 0.3362, 0.3430

Background



This preview shows how black text looks on a background with the Yxy color 85.2729, 0.3362, 0.3430.

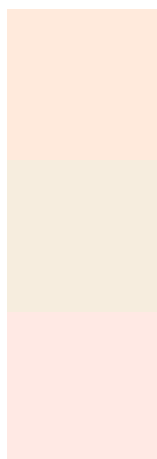


This preview shows how white text looks on a background with the Yxy color 85.2729, 0.3362, 0.3430.

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

85.2729, 0.3362, 0.3430

Protanopia

85.4351, 0.3282, 0.3442

Deuteranopia

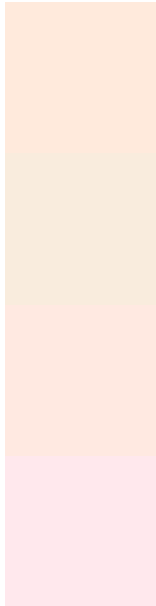
85.1393, 0.3310, 0.3340



Tritanopia

85.0656, 0.3195, 0.3144

Trichromacy



Original Color

85.2729, 0.3362, 0.3430

Protanomaly

85.3511, 0.3311, 0.3441

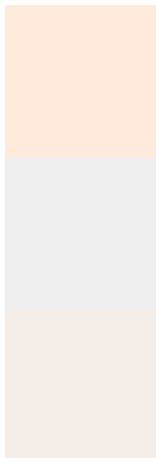
Deuteranomaly

84.9741, 0.3330, 0.3370

Tritanomaly

85.0877, 0.3252, 0.3241

Monochromacy



Original Color

85.2729, 0.3362, 0.3430

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

85.8070, 0.3212, 0.3340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.2729, 0.3362, 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, 234, 220)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 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, 234, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 220) }
```

Border

The CSS property to change the border of an element to Yxy 85.2729, 0.3362, 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, 234, 220) }
```

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

```
.border{ border-color:rgb(255, 234, 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, 234, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 220);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 85.2729, 0.3362, 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, 234, 220) }
```

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

```
.background{ background-color: rgb(255,  
234, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor