

Converting Colors

$Y_{xy}(85.8151, 0.3464, 0.3615)$

Have a look what the booklet for
Yxy(85.8151, 0.3464, 0.3615)
contains.

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Color

Yxy(85.6105, 0.3465, 0.3611)

Conversions

Conversions Part 1

Format	Color
Hex	FFEECC
RGB	255, 236, 204
RGB Percent	100%, 93%, 80%
CMY	0.0000, 0.0746, 0.2000
CMYK	0.00, 0.07, 0.20, 0.00
HSL	38°, 100%, 90%
HSV	38°, 20%, 100%
XYZ	82.1491, 85.6105, 69.3229
YIQ	238.0330, 21.5960, -5.9240

Conversions

Conversions Part 2

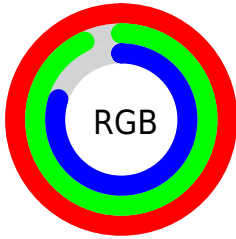
Format	Color
R _Y B	234, 255, 204
Decimal	16772300
CIE Lab	94.15, 1.51, 17.85
CIE LCh	94, 17.914, 85.165
Yxy	85.6105, 0.3465, 0.3611
Android (android.graphics.Color)	4294962380 (0xFFFFECCC)
YUV	238.0330, -16.7783, 14.8801
Hunter-Lab	92.5259, -3.4393, 20.3465

Details

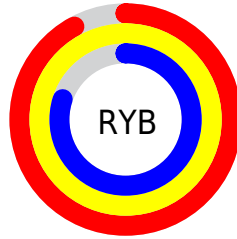
The Yxy color **85.6105, 0.3465, 0.3611** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **72.8416, 0.2805, 0.2947**, and the grayscale version is **85.6408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.8503, 0.3539, 0.3675** is the 20% darker color. If you saturate the color by 10%, you get **79.1500, 0.3660, 0.3779**, and if you desaturate by 10%, it is **92.5502, 0.3287, 0.3447**.

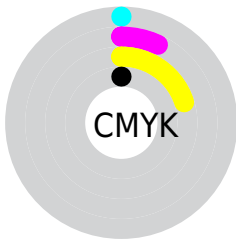
Distribution



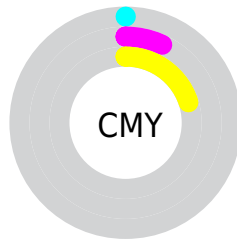
- Red (100%)
- Green (93%)
- Blue (80%)



- Red (92%)
- Yellow (100%)
- Blue (80%)



- Cyan (0%)
- Magenta (7%)
- Yellow (20%)
- Black (0%)





- Cyan (0%)
- Magenta (7%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.6105, 0.3465, 0.3611 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 85.6105, 0.3465, 0.3611 by changing the saturation by 10% instead.


 85.6105, 0.3465,
0.3611

 85.6105, 0.3465,
0.3611


513.6460, 0.3313,
0.3468

 64.3459, 0.3499,
0.3643


141.2258, 0.3413,
0.3562

 46.9309, 0.3540,
0.3681


176.3454, 0.3393,
0.3543

 32.9810, 0.3591,
0.3729


216.8520, 0.3375,
0.3526

 22.1119, 0.3656,
0.3789

263.1302, 0.3360,
0.3512

 13.9392, 0.3742,
0.3869

315.5643, 0.3346,
0.3499

 8.0784, 0.3860,
0.3977

374.5387, 0.3334,

 4.1451, 0.4030,

0.3487

0.4131

440.4378, 0.3323,
0.3477

■ 1.7551, 0.4384,
0.4455

■ 0.4589, 0.5076,
0.4924

■ 85.6105, 0.3465,
0.3611

■ 85.6105, 0.3465,
0.3611

■ 79.1500, 0.3660,
0.3779

■ 92.5502, 0.3287,
0.3447

■ 73.1733, 0.3872,
0.3946

100.0000, 0.3127,
0.3290

■ 67.6590, 0.4094,
0.4102

■ 62.5907, 0.4321,
0.4238

■ 57.9507, 0.4542,
0.4340

■ 53.7193, 0.4745,
0.4399

■ 49.8737, 0.4920,
0.4406

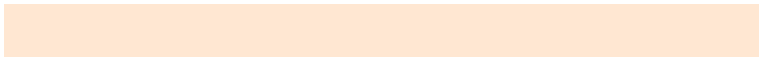
■ 46.3799, 0.5061,
0.4363

■ 46.3794, 0.5061,
0.4363

Harmonies

Analogous

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



85.6105, 0.3533, 0.3486



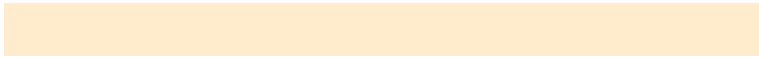
85.6105, 0.3465, 0.3611



85.6105, 0.3306, 0.3652

Triad

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



85.6105, 0.3465, 0.3611



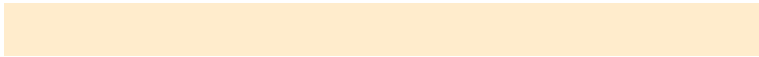
85.6105, 0.2779, 0.3245



85.6105, 0.3141, 0.3016

Complementary

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



85.6105, 0.3465, 0.3611



72.8416, 0.2805, 0.2947

Split Complementary

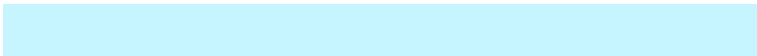
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.6105, 0.2942, 0.2951



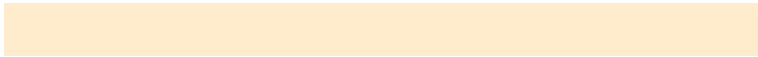
85.6105, 0.3465, 0.3611



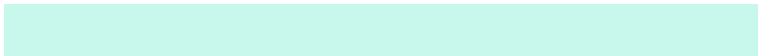
85.6105, 0.2738, 0.3075

Square

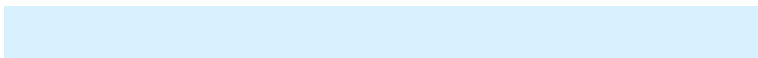
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.6105, 0.3465, 0.3611



85.6105, 0.2911, 0.3436



85.6105, 0.2796, 0.2970



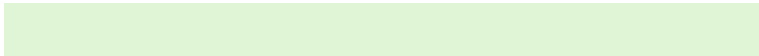
85.6105, 0.3342, 0.3148

Rectangle

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



85.6105, 0.3465, 0.3611



85.6105, 0.3172, 0.3621



85.6105, 0.2796, 0.2970



85.6105, 0.3071, 0.2985

Sweetspot

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



85.6042, 0.3465, 0.3611



95.4680, 0.3221, 0.3383



69.8053, 0.3378, 0.3093



20.3309, 0.3231, 0.3393



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.



85.6042, 0.3465, 0.3611



82.9633, 0.3541, 0.3678



96.0288, 0.3390, 0.3797



19.8857, 0.3278, 0.3439



24.5302, 0.5043, 0.4378



2.5981, 0.4920, 0.4475

Inverse Universe

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



72.8416, 0.2805, 0.2947



68.0906, 0.2737, 0.2868



64.1025, 0.2832, 0.2742



18.4870, 0.2979, 0.3137



8.3171, 0.1661, 0.1181



1.0110, 0.1724, 0.1405

Previews

White Background



This preview shows how the Yxy color 85.6105, 0.3465, 0.3611 looks on a white background.

Color Contrast Check

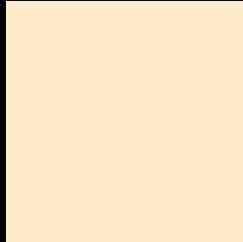
Large Text (above 18pt) WCAG AA × Fail

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 85.6105, 0.3465, 0.3611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

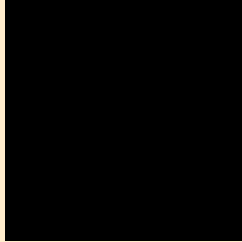
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.6105, 0.3465, 0.3611

Background



This preview shows how black text looks on a background with the Yxy color 85.6105, 0.3465, 0.3611.



This preview shows how white text looks on a background with the Yxy color 85.6105, 0.3465, 0.3611.

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

85.6105, 0.3465, 0.3611

Protanopia

85.8808, 0.3419, 0.3624

Deuteranopia

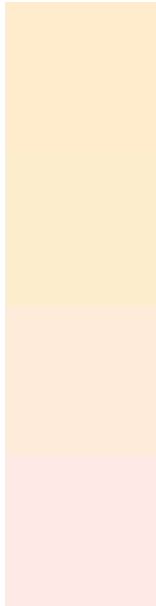
85.4875, 0.3335, 0.3390



Tritanopia

85.5658, 0.3201, 0.3163

Trichromacy



Original Color

85.6105, 0.3465, 0.3611

Protanomaly

85.6716, 0.3435, 0.3613

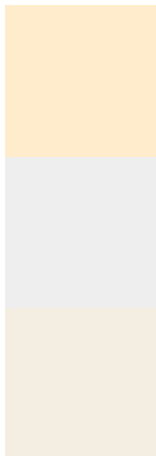
Deuteranomaly

85.6864, 0.3380, 0.3470

Tritanomaly

85.2510, 0.3297, 0.3320

Monochromacy



Original Color

85.6105, 0.3465, 0.3611

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.2925, 0.3243, 0.3402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.6105, 0.3465, 0.3611 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, 236, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 204)  
}
```

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, 236, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 204) }
```

Border

The CSS property to change the border of an element to Yxy 85.6105, 0.3465, 0.3611 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, 236, 204) }
```

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

```
.border{ border-color:rgb(255, 236, 204) }
```

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

Here you see how a box with a 4 pixel rgb(255, 236, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 85.6105, 0.3465, 0.3611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 204) }
```

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

```
.background{ background-color: rgb(255,  
236, 204) }
```

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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