

# Converting Colors

$Y_{xy}(78.4408, 0.3340, 0.3465)$

Have a look what the booklet for  
Yxy(78.4408, 0.3340, 0.3465)  
contains.

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# Color

**Yxy(78.4686, 0.3346, 0.3467)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2E3D2
RGB	242, 227, 210
RGB Percent	95%, 89%, 82%
CMY	0.0508, 0.1098, 0.1764
CMYK	0.00, 0.06, 0.13, 0.05
HSL	32°, 55%, 89%
HSV	32°, 13%, 95%
XYZ	75.7300, 78.4686, 72.1314
YIQ	229.5470, 14.3970, -2.1070

# Conversions

## Conversions Part 2

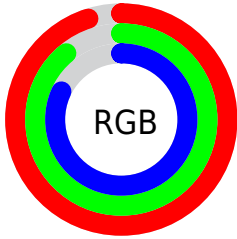
Format	Color
R <sub>Y</sub> B	238, 242, 210
Decimal	15918034
CIE Lab	90.99, 2.35, 10.12
CIE LCh	91, 10.393, 76.908
Yxy	78.4686, 0.3346, 0.3467
Android (android.graphics.Color)	4294108114 (0xFFFF2E3D2)
YUV	229.5470, -9.6367, 10.9213
Hunter-Lab	88.5825, -2.4181, 13.7288

# Details

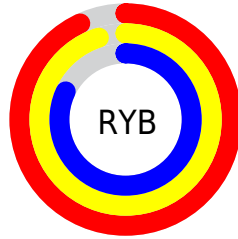
The Yxy color  $78.4686, 0.3346, 0.3467$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $73.9948, 0.2920, 0.3106$ , and the grayscale version is  $78.8487, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $42.3445, 0.3394, 0.3505$  is the 20% darker color. If you saturate the color by 10%, you get  $71.3405, 0.3537, 0.3608$ , and if you desaturate by 10%, it is  $86.1968, 0.3177, 0.3332$ .

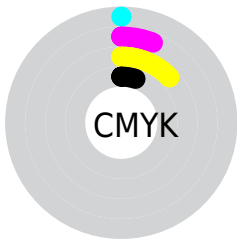
# Distribution



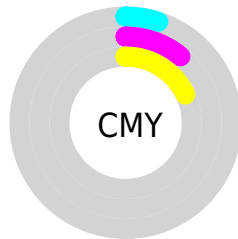
- Red (95%)
- Green (89%)
- Blue (82%)



- Red (93%)
- Yellow (95%)
- Blue (82%)



- Cyan (0%)
- Magenta (6%)
- Yellow (13%)
- Black (5%)



- Cyan (5%)
- Magenta (11%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.4686, 0.3346, 0.3467 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 78.4686, 0.3346, 0.3467 by changing the saturation by 10% instead.



78.4686, 0.3346,  
0.3467

78.4686, 0.3346,  
0.3467

489.7568, 0.3246,  
0.3387

58.4590, 0.3369,  
0.3485

131.2105, 0.3311,  
0.3439

42.1778, 0.3397,  
0.3507

164.7116, 0.3298,  
0.3429

29.2405, 0.3432,  
0.3535

203.4786, 0.3286,  
0.3419

19.2628, 0.3477,  
0.3570

247.8960, 0.3276,  
0.3411

11.8604, 0.3539,  
0.3618

298.3481, 0.3267,  
0.3404

6.6487, 0.3626,  
0.3685

355.2193, 0.3259,

3.2434, 0.3760,

0.3398

0.3786

418.8941, 0.3252,  
0.3392

■ 1.2601, 0.4038,  
0.4001

■ 0.1100, 0.5956,  
0.4044

■ 78.4686, 0.3346,  
0.3467

■ 78.4686, 0.3346,  
0.3467

■ 71.3405, 0.3537,  
0.3608

■ 86.1968, 0.3177,  
0.3332

■ 64.7860, 0.3752,  
0.3753

■ 94.3079, 0.3049,  
0.3238

■ 58.7917, 0.3988,  
0.3893

■ 97.6240, 0.3048,  
0.3290

■ 53.3397, 0.4242,  
0.4023

■ 48.4109, 0.4506,  
0.4129

■ 43.9844, 0.4767,  
0.4199

■ 40.0373, 0.5011,  
0.4221

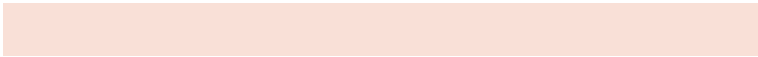
■ 36.5433, 0.5220,  
0.4189

■ 34.4143, 0.5342,  
0.4141

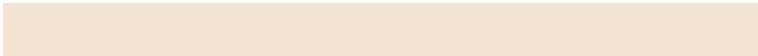
# Harmonies

## Analogous

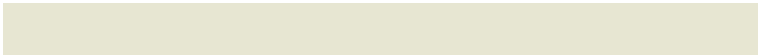
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.4686, 0.3367, 0.3384



78.4686, 0.3346, 0.3467



78.4686, 0.3265, 0.3504

# Triad

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



78.4686, 0.3346, 0.3467



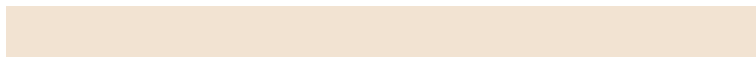
78.4686, 0.2935, 0.3296



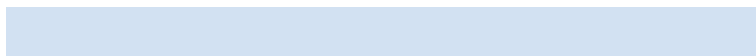
78.4686, 0.3102, 0.3108

# Complementary

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



78.4686, 0.3346, 0.3467



73.9948, 0.2920, 0.3106

# 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.



78.4686, 0.2988, 0.3083



78.4686, 0.3346, 0.3467



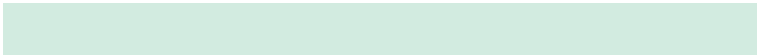
78.4686, 0.2893, 0.3189

# Square

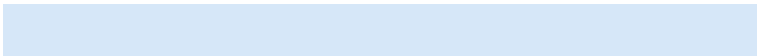
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.4686, 0.3346, 0.3467



78.4686, 0.3028, 0.3405



78.4686, 0.2912, 0.3111

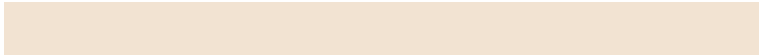


78.4686, 0.3225, 0.3179

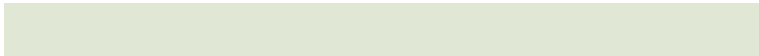


# Rectangle

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



78.4686, 0.3346, 0.3467



78.4686, 0.3190, 0.3496



78.4686, 0.2912, 0.3111



78.4686, 0.3062, 0.3094

# Sweetspot

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



78.4721, 0.3346, 0.3467



96.3416, 0.3190, 0.3342



70.4441, 0.3258, 0.3129



20.4764, 0.3202, 0.3352



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

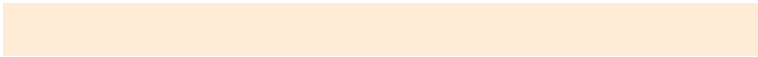


# Same Dimension

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



78.4721, 0.3346, 0.3467



86.0218, 0.3397, 0.3506



86.9701, 0.3322, 0.3618



17.1466, 0.3280, 0.3415



18.7575, 0.5318, 0.4160



1.7596, 0.5129, 0.4309

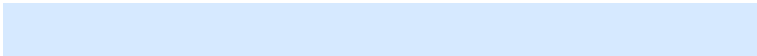


# Inverse Universe

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



73.9948, 0.2920, 0.3106



80.0304, 0.2874, 0.3064



66.2915, 0.2919, 0.2940



16.4530, 0.2980, 0.3161



10.1375, 0.1744, 0.1479

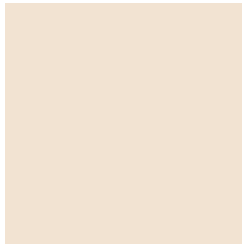


1.0409, 0.1813, 0.1726



# Previews

## White Background



This preview shows how the Yxy color 78.4686, 0.3346, 0.3467 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

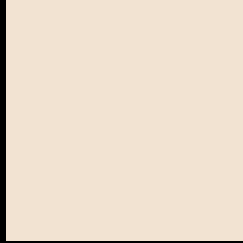
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.4686, 0.3346, 0.3467 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

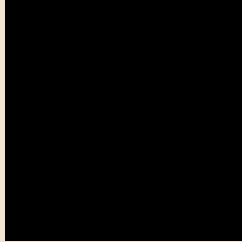
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.4686, 0.3346, 0.3467**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.4686, 0.3346, 0.3467.

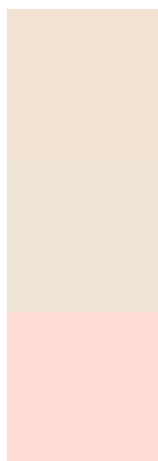


This preview shows how white text looks on a background with the Yxy color 78.4686, 0.3346, 0.3467.

# 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

78.4686, 0.3346, 0.3467

### Protanopia

78.3671, 0.3309, 0.3468

### Deuteranopia

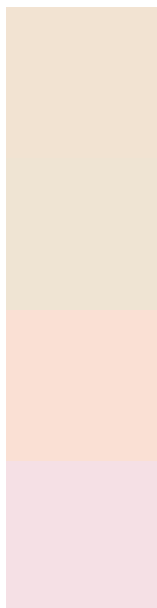
78.3066, 0.3428, 0.3382



## Tritanopia

78.6595, 0.3177, 0.3119

# Trichromacy



## Original Color

78.4686, 0.3346, 0.3467

## Protanomaly

78.5407, 0.3316, 0.3468

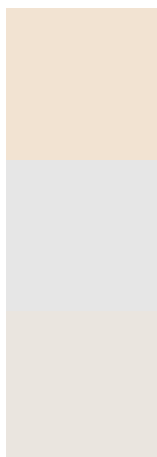
## Deuteranomaly

78.3888, 0.3395, 0.3413

## Tritanomaly

78.3809, 0.3242, 0.3239

# Monochromacy



## Original Color

78.4686, 0.3346, 0.3467

## Achromatopsia

79.1298, 0.3127, 0.3290

## Achromatomaly

78.8588, 0.3200, 0.3353

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.4686, 0.3346, 0.3467 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(242, 227, 210)` looks like.

```
.text, #text, p{  
    color:rgb(242, 227, 210)  
}
```

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(242, 227, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 227, 210) }
```

## Border

The CSS property to change the border of an element to Yxy 78.4686, 0.3346, 0.3467 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(242, 227, 210) }
```

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

```
.border{ border-color:rgb(242, 227, 210) }
```

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

Here you see how a box with a 4 pixel rgb(242, 227, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 227, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 227, 210);  
box-shadow:4px 4px 4px 4px rgb(242, 227,  
210) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.4686, 0.3346, 0.3467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 227, 210) }
```

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

```
.background{ background-color: rgb(242,  
227, 210) }
```

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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