

# Converting Colors

$Y_{xy}(77.2420, 0.3515, 0.3641)$

Have a look what the booklet for  
Yxy(77.2420, 0.3515, 0.3641)  
contains.

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# Color

**Yxy(77.3862, 0.3517, 0.3644)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7E1BF
RGB	247, 225, 191
RGB Percent	97%, 88%, 75%
CMY	0.0313, 0.1176, 0.2510
CMYK	0.00, 0.09, 0.23, 0.03
HSL	36°, 78%, 86%
HSV	36°, 23%, 97%
XYZ	74.6892, 77.3862, 60.2907
YIQ	227.7020, 24.0260, -5.9100

# Conversions

## Conversions Part 2

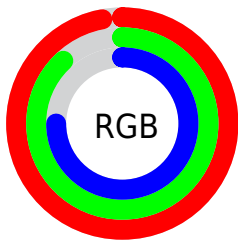
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	227, 247, 191
Decimal	16245183
CIE Lab	90.50, 2.35, 19.39
CIE LCh	90, 19.528, 83.085
Yxy	77.3862, 0.3517, 0.3644
Android (android.graphics.Color)	4294435263 (0xFFFF7E1BF)
YUV	227.7020, -18.0941, 16.9243
Hunter-Lab	87.9694, -2.3937, 20.9436

# Details

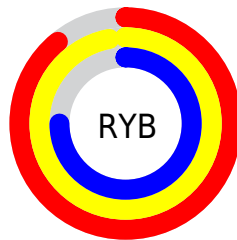
The Yxy color **77.3862, 0.3517, 0.3644** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **65.3847, 0.2761, 0.2908**, and the grayscale version is **77.4783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4954, 0.3173, 0.3367**, and **41.5027, 0.3609, 0.3733** is the 20% darker color. If you saturate the color by 10%, you get **71.2929, 0.3719, 0.3807**, and if you desaturate by 10%, it is **83.9681, 0.3333, 0.3483**.

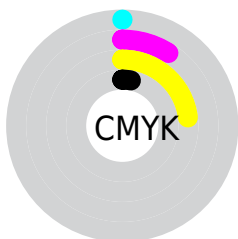
# Distribution



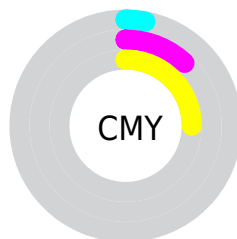
- Red (97%)
- Green (88%)
- Blue (75%)



- Red (89%)
- Yellow (97%)
- Blue (75%)



- Cyan (0%)
- Magenta (9%)
- Yellow (23%)
- Black (3%)




- Cyan (3%)
- Magenta (12%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.3862, 0.3517, 0.3644 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 77.3862, 0.3517, 0.3644 by changing the saturation by 10% instead.




 77.3862, 0.3517,  
0.3644

 77.3862, 0.3517,  
0.3644


486.0798, 0.3338,  
0.3483

 57.5699, 0.3557,  
0.3680


 129.6845, 0.3455,  
0.3589

 41.4630, 0.3607,  
0.3724


162.9353, 0.3431,  
0.3567

 28.6810, 0.3668,  
0.3778


201.4330, 0.3411,  
0.3549

 18.8396, 0.3748,  
0.3848

245.5621, 0.3393,  
0.3532

 11.5545, 0.3855,  
0.3940

295.7069, 0.3377,  
0.3518

 6.4411, 0.4003,  
0.4067

352.2519, 0.3362,

 3.1151, 0.4221,

0.3505

0.4247

415.5814, 0.3350,  
0.3494

■ 1.1921, 0.5026,  
0.4974

■ 0.0553, 0.6655,  
0.3345

■ 77.3862, 0.3517,  
0.3644

■ 77.3862, 0.3517,  
0.3644

■ 71.2929, 0.3719,  
0.3807

■ 83.9681, 0.3333,  
0.3483

■ 65.6637, 0.3938,  
0.3967

■ 91.0416, 0.3168,  
0.3330

■ 60.4871, 0.4168,  
0.4114

■ 97.9548, 0.3078,  
0.3281

■ 55.7469, 0.4402,  
0.4238

■ 98.5158, 0.3078,  
0.3290

■ 51.4254, 0.4628,  
0.4327

■ 47.5029, 0.4835,  
0.4369

■ 43.9566, 0.5009,  
0.4357

■ 41.5750, 0.5117,  
0.4319

# Harmonies

## Analogous

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



77.3862, 0.3586, 0.3497



77.3862, 0.3517, 0.3644



77.3862, 0.3343, 0.3699

# Triad

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



77.3862, 0.3517, 0.3644



77.3862, 0.2743, 0.3253



77.3862, 0.3126, 0.2975

# Complementary

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



77.3862, 0.3517, 0.3644



65.3847, 0.2761, 0.2908

# Split Complementary

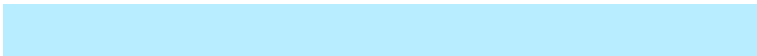
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.3862, 0.2904, 0.2907



77.3862, 0.3517, 0.3644



77.3862, 0.2689, 0.3058

# Square

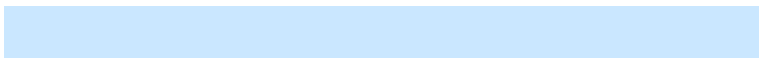
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.3862, 0.3517, 0.3644



77.3862, 0.2897, 0.3469



77.3862, 0.2747, 0.2935



77.3862, 0.3355, 0.3118



# Rectangle

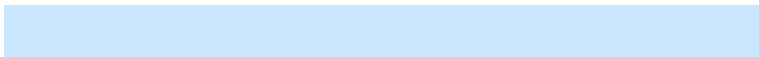
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.3862, 0.3517, 0.3644



77.3862, 0.3193, 0.3671



77.3862, 0.2747, 0.2935



77.3862, 0.3048, 0.2942

# Sweetspot

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



77.3897, 0.3517, 0.3644



94.5098, 0.3237, 0.3395



61.8629, 0.3411, 0.3056



20.1303, 0.3247, 0.3405



0.0000, 0.0000, 0.0000

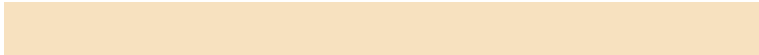


21.4041, 0.3127, 0.3290



# Same Dimension

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



77.3897, 0.3517, 0.3644



80.2700, 0.3603, 0.3715



89.0613, 0.3432, 0.3865



18.1568, 0.3278, 0.3433



22.2705, 0.5098, 0.4334



2.1572, 0.4954, 0.4449

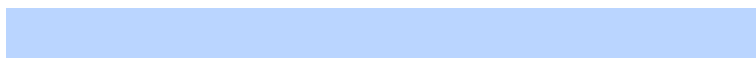


# Inverse Universe

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



65.3847, 0.2761, 0.2908



65.3679, 0.2686, 0.2824



55.7951, 0.2780, 0.2659



16.9948, 0.2980, 0.3142



8.3350, 0.1678, 0.1241

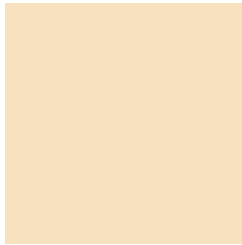


0.9267, 0.1747, 0.1488



# Previews

## White Background



This preview shows how the Yxy color 77.3862, 0.3517, 0.3644 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

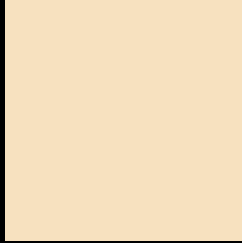
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.3862, 0.3517, 0.3644 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

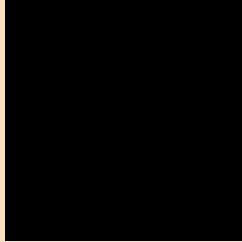
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 77.3862, 0.3517, 0.3644**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.3862, 0.3517, 0.3644.



This preview shows how white text looks on a background with the Yxy color 77.3862, 0.3517, 0.3644.

# 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

77.3862, 0.3517, 0.3644

### Protanopia

77.2692, 0.3454, 0.3660

### Deuteranopia

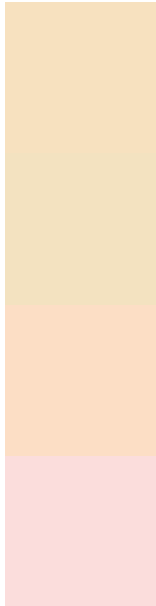
77.1899, 0.3515, 0.3494



## Tritanopia

77.6018, 0.3257, 0.3121

# Trichromacy



**Original Color**

77.3862, 0.3517, 0.3644

**Protanomaly**

77.2532, 0.3478, 0.3647

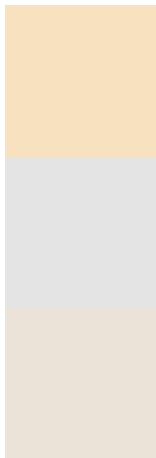
**Deuteranomaly**

76.9692, 0.3519, 0.3547

**Tritanomaly**

77.3894, 0.3351, 0.3301

# Monochromacy



**Original Color**

77.3862, 0.3517, 0.3644

**Achromatopsia**

77.5822, 0.3127, 0.3290

**Achromatomaly**

77.5066, 0.3262, 0.3417

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.3862, 0.3517, 0.3644 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(247, 225, 191)` looks like.

```
.text, #text, p{  
    color:rgb(247, 225, 191)  
}
```

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(247, 225, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 225, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 77.3862, 0.3517, 0.3644 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(247, 225, 191) }
```

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

```
.border{ border-color:rgb(247, 225, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 225, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(247, 225, 191); -webkit-box-shadow:4px 4px 4px 4px rgb(247, 225, 191); box-shadow:4px 4px 4px 4px rgb(247, 225, 191) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.3862, 0.3517, 0.3644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 225, 191) }
```

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

```
.background{ background-color: rgb(247,  
225, 191) }
```

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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