

# Converting Colors

$Y_{xy}(78.8672, 0.3315, 0.3404)$

Have a look what the booklet for  
Yxy(78.8672, 0.3315, 0.3404)  
contains.

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# Color

**Yxy(78.9507, 0.3312, 0.3404)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F3E3D8
RGB	243, 227, 216
RGB Percent	95%, 89%, 85%
CMY	0.0472, 0.1097, 0.1529
CMYK	0.00, 0.07, 0.11, 0.05
HSL	24°, 53%, 90%
HSV	24°, 11%, 95%
XYZ	76.8169, 78.9507, 76.1675
YIQ	230.5300, 13.0670, -0.0290

# Conversions

## Conversions Part 2

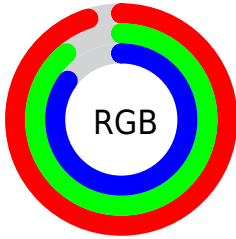
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	243, 235, 216
Decimal	15983576
CIE <sub>Lab</sub>	91.21, 3.62, 7.31
CIE <sub>LCh</sub>	91, 8.154, 63.654
Y <sub>xy</sub>	78.9507, 0.3312, 0.3404
Android (android.graphics.Color)	4294173656 (0xFFFF3E3D8)
Y <sub>UV</sub>	230.5300, -7.1633, 10.9362
Hunter-Lab	88.8542, -1.1767, 11.3735

# Details

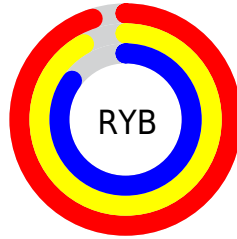
The Yxy color **78.9507, 0.3312, 0.3404** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.7609, 0.2955, 0.3173**, and the grayscale version is **79.5900, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.6431, 0.3359, 0.3437** is the 20% darker color. If you saturate the color by 10%, you get **70.2493, 0.3508, 0.3513**, and if you desaturate by 10%, it is **88.5016, 0.3144, 0.3301**.

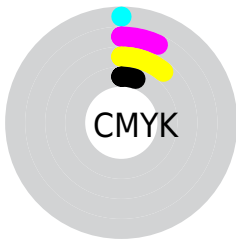
# Distribution



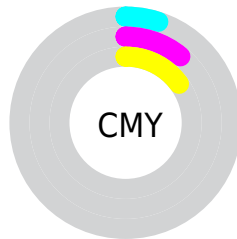
- Red (95%)
- Green (89%)
- Blue (85%)



- Red (95%)
- Yellow (92%)
- Blue (85%)



- Cyan (0%)
- Magenta (7%)
- Yellow (11%)
- Black (5%)




- Cyan (5%)
- Magenta (11%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.9507, 0.3312, 0.3404 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 78.9507, 0.3312, 0.3404 by changing the saturation by 10% instead.



 78.9507, 0.3312,  
0.3404

 78.9507, 0.3312,  
0.3404


491.3895, 0.3227,  
0.3353

 58.8553, 0.3331,  
0.3415


131.8895, 0.3283,  
0.3386

 42.4966, 0.3355,  
0.3430

165.5016, 0.3271,  
0.3379

 29.4904, 0.3384,  
0.3447


204.3880, 0.3262,  
0.3373

 19.4521, 0.3423,  
0.3470

248.9333, 0.3253,  
0.3368

 11.9974, 0.3475,  
0.3500

299.5216, 0.3245,  
0.3364

 6.7419, 0.3549,  
0.3542

356.5375, 0.3239,

 3.3012, 0.3664,

0.3360

420.3654, 0.3233,  
0.3356

0.3605

1.2909, 0.3867,  
0.3714

0.1342, 0.6167,  
0.3833

78.9507, 0.3312,  
0.3404

78.9507, 0.3312,  
0.3404

70.2493, 0.3508,  
0.3513

88.5016, 0.3144,  
0.3301

62.3628, 0.3734,  
0.3626

97.7874, 0.3053,  
0.3290

55.2694, 0.3991,  
0.3737

48.9424, 0.4280,  
0.3840

■ 43.3533, 0.4592,  
0.3923

■ 38.4717, 0.4913,  
0.3975

■ 34.2643, 0.5224,  
0.3982

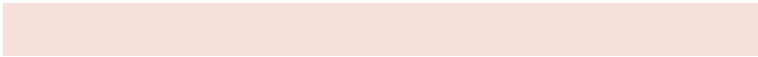
■ 30.6939, 0.5499,  
0.3936

■ 28.0083, 0.5702,  
0.3855

# Harmonies

## Analogous

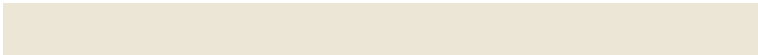
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.9507, 0.3306, 0.3329



78.9507, 0.3312, 0.3404



78.9507, 0.3268, 0.3450

# Triad

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



78.9507, 0.3312, 0.3404



78.9507, 0.3005, 0.3334



78.9507, 0.3066, 0.3133

# Complementary

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



78.9507, 0.3312, 0.3404



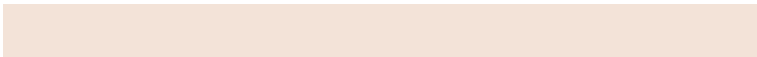
78.7609, 0.2955, 0.3173

# 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.



78.9507, 0.2987, 0.3132



78.9507, 0.3312, 0.3404



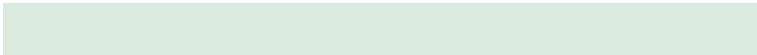
78.9507, 0.2952, 0.3247

# Square

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



78.9507, 0.3312, 0.3404



78.9507, 0.3090, 0.3410



78.9507, 0.2946, 0.3173

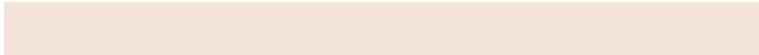


78.9507, 0.3162, 0.3174



# Rectangle

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



78.9507, 0.3312, 0.3404



78.9507, 0.3217, 0.3457



78.9507, 0.2946, 0.3173



78.9507, 0.3037, 0.3128

# Sweetspot

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



78.9542, 0.3312, 0.3404



96.6628, 0.3174, 0.3320



74.0052, 0.3213, 0.3124



20.5021, 0.3187, 0.3328



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

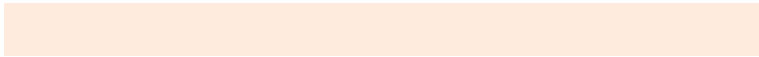


# Same Dimension

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



78.9542, 0.3312, 0.3404



86.1630, 0.3348, 0.3425



86.4826, 0.3296, 0.3537



17.5935, 0.3283, 0.3387



15.6270, 0.5674, 0.3877



1.5702, 0.5447, 0.4057

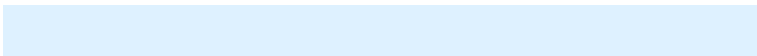


# Inverse Universe

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



78.7609, 0.2955, 0.3173



85.9124, 0.2924, 0.3151



71.5835, 0.2953, 0.3030



17.5570, 0.2980, 0.3191



14.7354, 0.1859, 0.1893

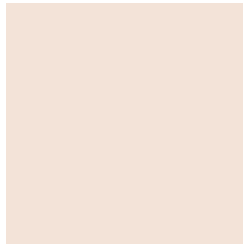


1.4969, 0.1913, 0.2086



# Previews

## White Background



This preview shows how the Yxy color 78.9507, 0.3312, 0.3404 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

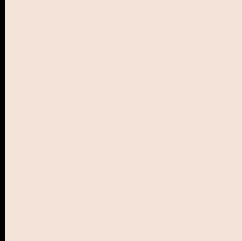
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.9507, 0.3312, 0.3404 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

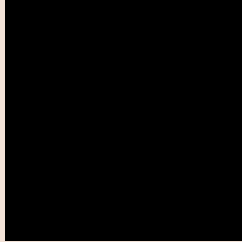
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

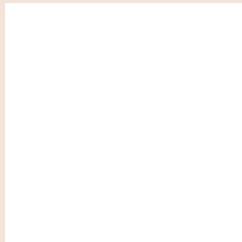
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.9507, 0.3312, 0.3404**

## Background



This preview shows how black text looks on a background with the Yxy color 78.9507, 0.3312, 0.3404.

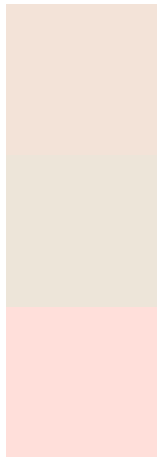


This preview shows how white text looks on a background with the Yxy color 78.9507, 0.3312, 0.3404.

# 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

78.9507, 0.3312, 0.3404

### Protanopia

79.0529, 0.3261, 0.3416

### Deuteranopia

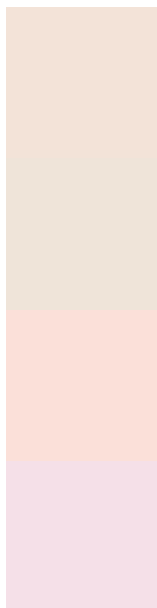
79.0973, 0.3391, 0.3341



## Tritanopia

78.7191, 0.3171, 0.3109

# Trichromacy



## Original Color

78.9507, 0.3312, 0.3404

## Protanomaly

78.8473, 0.3276, 0.3405

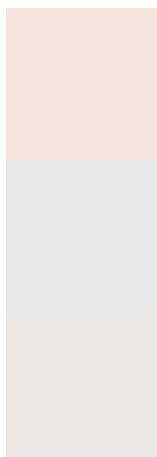
## Deuteranomaly

78.8303, 0.3367, 0.3362

## Tritanomaly

78.5500, 0.3222, 0.3209

# Monochromacy



## Original Color

78.9507, 0.3312, 0.3404

## Achromatopsia

79.9103, 0.3127, 0.3290

## Achromatomaly

79.7468, 0.3187, 0.3332

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.9507, 0.3312, 0.3404 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(243, 227, 216)` looks like.

```
.text, #text, p{  
    color:rgb(243, 227, 216)  
}
```

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(243, 227, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 227, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 78.9507, 0.3312, 0.3404 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(243, 227, 216) }
```

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

```
.border{ border-color:rgb(243, 227, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 227, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 227, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 227, 216);  
box-shadow:4px 4px 4px 4px rgb(243, 227,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.9507, 0.3312, 0.3404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 227, 216) }
```

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

```
.background{ background-color: rgb(243,  
227, 216) }
```

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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