

# Converting Colors

$Y_{xy}(75.5158, 0.3210, 0.3396)$

Have a look what the booklet for  
Yxy(75.5158, 0.3210, 0.3396)  
contains.

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# Color

**Yxy(75.3023, 0.3207, 0.3387)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4E1D8
RGB	228, 225, 216
RGB Percent	89%, 88%, 85%
CMY	0.1061, 0.1176, 0.1530
CMYK	0.00, 0.01, 0.05, 0.11
HSL	45°, 18%, 87%
HSV	45°, 5%, 89%
XYZ	71.3004, 75.3023, 75.7247
YIQ	224.8710, 4.6770, -2.1630

# Conversions

## Conversions Part 2

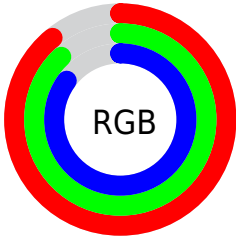
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	220, 228, 216
Decimal	15000024
CIE Lab	89.53, -0.58, 4.76
CIE LCh	90, 4.794, 96.917
Yxy	75.3023, 0.3207, 0.3387
Android (android.graphics.Color)	4293190104 (0xFFE4E1D8)
YUV	224.8710, -4.3734, 2.7441
Hunter-Lab	86.7769, -5.1947, 9.0052

# Details

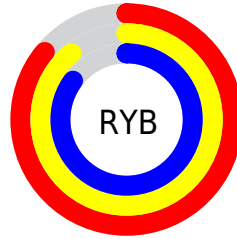
The Yxy color **75.3023, 0.3207, 0.3387** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.8068, 0.3047, 0.3191**, and the grayscale version is **75.2235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.2069, 0.3231, 0.3415** is the 20% darker color. If you saturate the color by 10%, you get **71.2420, 0.3369, 0.3578**, and if you desaturate by 10%, it is **79.6311, 0.3058, 0.3205**.

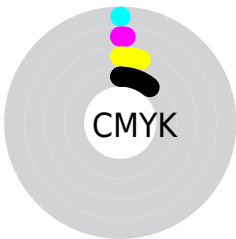
# Distribution



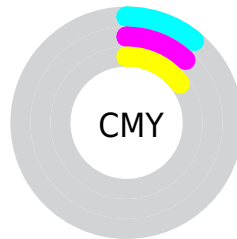
- Red (89%)
- Green (88%)
- Blue (85%)



- Red (86%)
- Yellow (89%)
- Blue (85%)



- Cyan (0%)
- Magenta (1%)
- Yellow (5%)
- Black (11%)



- Cyan (11%)
- Magenta (12%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.3023, 0.3207, 0.3387 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 75.3023, 0.3207, 0.3387 by changing the saturation by 10% instead.



■ 75.3023, 0.3207,  
0.3387

■ 75.3023, 0.3207,  
0.3387

478.9560, 0.3170,  
0.3342

■ 55.8606, 0.3215,  
0.3397

126.7402, 0.3194,  
0.3372

■ 40.0912, 0.3226,  
0.3410

159.5051, 0.3189,  
0.3366

■ 27.6096, 0.3239,  
0.3426

197.4800, 0.3185,  
0.3360

■ 18.0316, 0.3256,  
0.3446

241.0491, 0.3181,  
0.3356

■ 10.9727, 0.3279,  
0.3475

290.5968, 0.3178,  
0.3352

■ 6.0485, 0.3312,  
0.3515

346.5076, 0.3175,

■ 2.8746, 0.3363,

0.3348

0.3579

409.1659, 0.3173,  
0.3345

■ 1.0666, 0.3464,  
0.3702

■ 0.0000, 0.0000,  
0.0000

■ 75.3023, 0.3207,  
0.3387

■ 75.3023, 0.3207,  
0.3387

■ 71.2420, 0.3369,  
0.3578

■ 79.6311, 0.3058,  
0.3205

■ 67.4327, 0.3543,  
0.3775

■ 83.7957, 0.2961,  
0.3099

■ 63.8698, 0.3726,  
0.3972

■ 87.0589, 0.2962,  
0.3156

■ 60.5443, 0.3914,  
0.4161

■ 90.4232, 0.2963,  
0.3212

■ 57.4472, 0.4100,  
0.4332

■ 93.8895, 0.2963,  
0.3269

■ 54.5679, 0.4277,  
0.4475

■ 95.2261, 0.2964,  
0.3290

■ 51.8952, 0.4436,  
0.4580

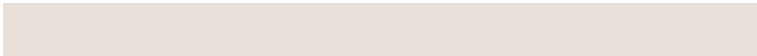
■ 49.4158, 0.4568,  
0.4638

■ 47.1137, 0.4670,  
0.4648

# Harmonies

## Analogous

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



75.3023, 0.3236, 0.3363



75.3023, 0.3207, 0.3387



75.3023, 0.3157, 0.3385

# Triad

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



75.3023, 0.3207, 0.3387



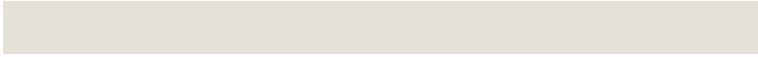
75.3023, 0.3020, 0.3259



75.3023, 0.3155, 0.3224

# Complementary

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



75.3023, 0.3207, 0.3387



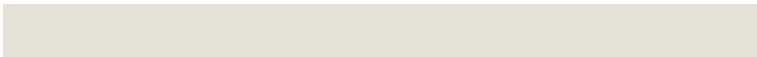
70.8068, 0.3047, 0.3191

# 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.



75.3023, 0.3097, 0.3197



75.3023, 0.3207, 0.3387



75.3023, 0.3020, 0.3217

# Square

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



75.3023, 0.3207, 0.3387



75.3023, 0.3049, 0.3311



75.3023, 0.3048, 0.3194



75.3023, 0.3206, 0.3269



# Rectangle

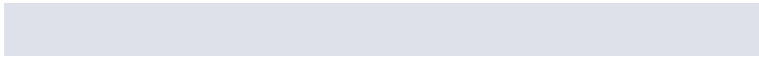
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.3023, 0.3207, 0.3387



75.3023, 0.3118, 0.3369



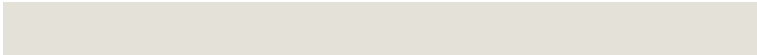
75.3023, 0.3048, 0.3194



75.3023, 0.3135, 0.3213

# Sweetspot

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



75.3056, 0.3207, 0.3387



98.8827, 0.3157, 0.3327



70.6980, 0.3194, 0.3258



21.1768, 0.3156, 0.3325



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.



75.3056, 0.3207, 0.3387



96.6895, 0.3219, 0.3402



76.4175, 0.3184, 0.3419



16.4460, 0.3228, 0.3413



26.8107, 0.4702, 0.4649

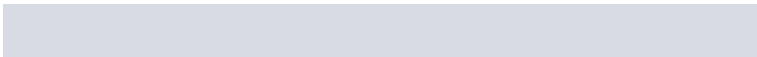


2.1241, 0.4612, 0.4720



# Inverse Universe

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



70.8068, 0.3047, 0.3191



90.0585, 0.3035, 0.3176



69.7531, 0.3069, 0.3160



15.2099, 0.3026, 0.3164



5.0098, 0.1578, 0.0881

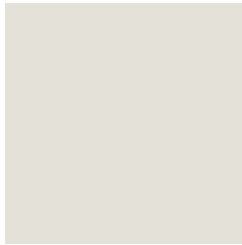


0.5135, 0.1655, 0.1156



# Previews

## White Background



This preview shows how the Yxy color 75.3023, 0.3207, 0.3387 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

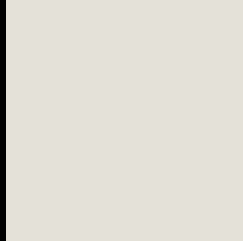
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.3023, 0.3207, 0.3387 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

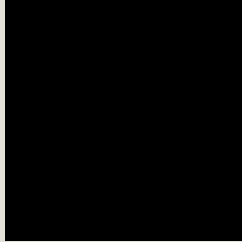
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

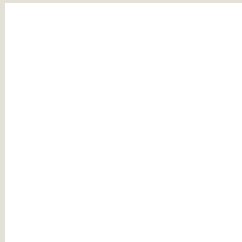
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.3023, 0.3207, 0.3387**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.3023, 0.3207, 0.3387.

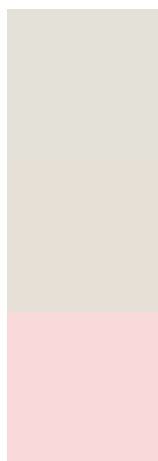


This preview shows how white text looks on a background with the Yxy color 75.3023, 0.3207, 0.3387.

# 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

75.3023, 0.3207, 0.3387

### Protanopia

75.2065, 0.3236, 0.3386

### Deuteranopia

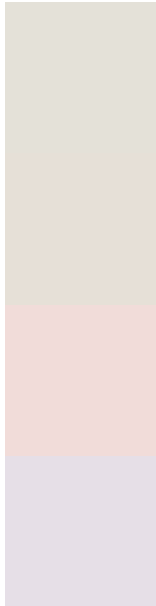
74.7752, 0.3362, 0.3291



## Tritanopia

75.4635, 0.3080, 0.3113

# Trichromacy



## Original Color

75.3023, 0.3207, 0.3387

## Protanomaly

75.0406, 0.3229, 0.3386

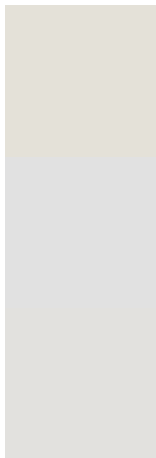
## Deuteranomaly

74.8969, 0.3299, 0.3322

## Tritanomaly

75.3679, 0.3124, 0.3206

# Monochromacy



## Original Color

75.3023, 0.3207, 0.3387

## Achromatopsia

75.2942, 0.3127, 0.3290

## Achromatomaly

75.2931, 0.3154, 0.3322

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.3023, 0.3207, 0.3387 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(228, 225, 216)` looks like.

```
.text, #text, p{  
    color:rgb(228, 225, 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(228, 225, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 225, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 75.3023, 0.3207, 0.3387 is called "border". The border property can be set on classes, ids or directly on the HTML element.

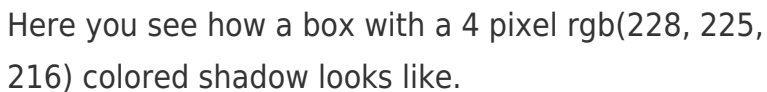
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(228, 225, 216) }
```

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

```
.border{ border-color:rgb(228, 225, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(228, 225, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 225, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 225, 216); box-shadow:4px 4px 4px 4px rgb(228, 225, 216) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.3023, 0.3207, 0.3387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 225, 216) }
```

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

```
.background{ background-color: rgb(228,  
225, 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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