

# Converting Colors

$Y_{xy}(75.3771, 0.3050, 0.3302)$

Have a look what the booklet for  
Yxy(75.3771, 0.3050, 0.3302)  
contains.

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# Color

**Yxy(75.4799, 0.3045, 0.3301)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D7E4E3
RGB	215, 228, 227
RGB Percent	84%, 89%, 89%
CMY	0.1569, 0.1058, 0.1099
CMYK	0.06, 0.00, 0.00, 0.11
HSL	175°, 19%, 87%
HSV	175°, 6%, 89%
XYZ	69.6263, 75.4799, 83.5515
YIQ	223.9990, -7.4270, -3.0670

# Conversions

## Conversions Part 2

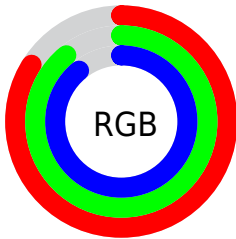
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	215, 222, 228
Decimal	14148835
CIE <sub>Lab</sub>	89.62, -4.52, -1.00
CIE <sub>LCh</sub>	90, 4.629, 192.526
Yxy	75.4799, 0.3045, 0.3301
Android (android.graphics.Color)	4292338915 (0xFFD7E4E3)
YUV	223.9990, 1.4795, -7.8921
Hunter-Lab	86.8792, -8.9860, 3.7963

# Details

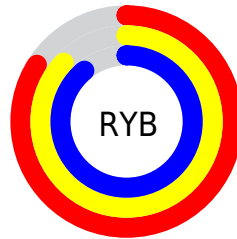
The Yxy color `75.4799, 0.3045, 0.3301` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `70.0490, 0.3216, 0.3279`, and the grayscale version is `74.5330, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `40.3393, 0.3021, 0.3304` is the 20% darker color. If you saturate the color by 10%, you get `72.1688, 0.2906, 0.3322`, and if you desaturate by 10%, it is `79.2795, 0.3190, 0.3282`.

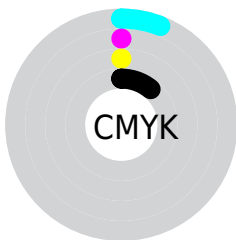
# Distribution



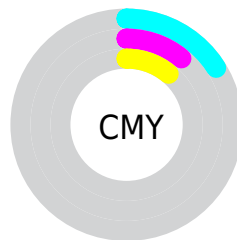
- Red (84%)
- Green (89%)
- Blue (89%)



- Red (84%)
- Yellow (87%)
- Blue (89%)



- Cyan (6%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



- Cyan (16%)
- Magenta (11%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.4799, 0.3045, 0.3301 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 75.4799, 0.3045, 0.3301 by changing the saturation by 10% instead.



■ 75.4799, 0.3045,  
0.3301

■ 75.4799, 0.3045,  
0.3301

479.5654, 0.3083,  
0.3296

■ 56.0061, 0.3036,  
0.3302

126.9914, 0.3058,  
0.3299

■ 40.2078, 0.3026,  
0.3303

159.7980, 0.3063,  
0.3299

■ 27.7006, 0.3013,  
0.3305

197.8176, 0.3068,  
0.3298

■ 18.1001, 0.2995,  
0.3307

241.4347, 0.3071,  
0.3298

■ 11.0219, 0.2972,  
0.3310

291.0336, 0.3075,  
0.3297

■ 6.0816, 0.2938,  
0.3314

346.9988, 0.3078,

■ 2.8947, 0.2885,

0.3297

0.3320

409.7146, 0.3080,  
0.3296

■ 1.0770, 0.2792,  
0.3330

■ 0.0000, 0.0000,  
0.0000

■ 75.4799, 0.3045,  
0.3301

■ 75.4799, 0.3045,  
0.3301

■ 72.1688, 0.2906,  
0.3322

■ 79.2795, 0.3190,  
0.3282

■ 69.3168, 0.2777,  
0.3344


■ 82.5012, 0.3299,  
0.3265


■ 66.9060, 0.2659,  
0.3368


■ 82.6044, 0.3286,  
0.3247


■ 64.9135, 0.2557,  
0.3394


■ 82.7086, 0.3274,  
0.3229

 63.3145, 0.2471,  
0.3420

 82.8139, 0.3262,  
0.3211


 62.0815, 0.2405,  
0.3447


 82.9202, 0.3250,  
0.3193

 61.1835, 0.2357,  
0.3475

 83.0277, 0.3238,  
0.3175

 60.5844, 0.2329,  
0.3502

 83.1362, 0.3226,  
0.3158

 60.2395, 0.2318,  
0.3529

 83.2458, 0.3214,  
0.3140

# Harmonies

## Analogous

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



75.4799, 0.3090, 0.3348



75.4799, 0.3045, 0.3301



75.4799, 0.3022, 0.3252

# Triad

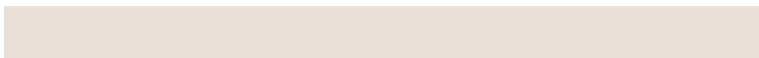
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.4799, 0.3045, 0.3301



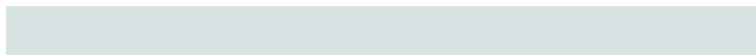
75.4799, 0.3108, 0.3204



75.4799, 0.3229, 0.3366

# Complementary

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



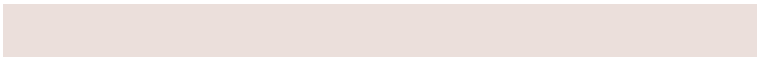
75.4799, 0.3045, 0.3301



70.0490, 0.3216, 0.3279

# 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.



75.4799, 0.3234, 0.3327



75.4799, 0.3045, 0.3301



75.4799, 0.3164, 0.3234

# Square

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



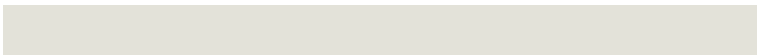
75.4799, 0.3045, 0.3301



75.4799, 0.3058, 0.3196



75.4799, 0.3210, 0.3279



75.4799, 0.3196, 0.3385

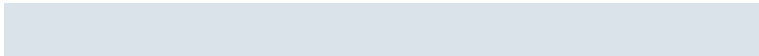


# Rectangle

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



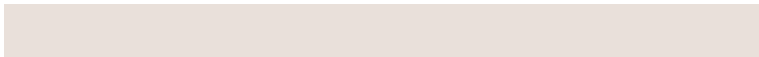
75.4799, 0.3045, 0.3301



75.4799, 0.3022, 0.3224



75.4799, 0.3210, 0.3279



75.4799, 0.3234, 0.3355

# Sweetspot

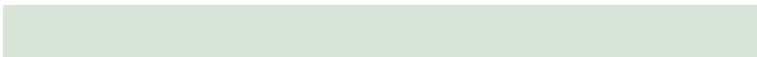
The Sweet Spot groups the original color and five complimentary colors.



75.4831, 0.3045, 0.3301



99.0193, 0.3098, 0.3294



75.0090, 0.3128, 0.3433



21.2045, 0.3099, 0.3294



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

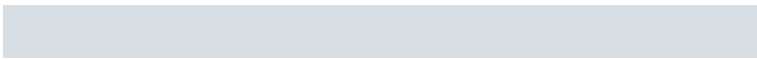
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.4831, 0.3045, 0.3301



96.6789, 0.3026, 0.3304



72.6008, 0.3039, 0.3231



16.4577, 0.3019, 0.3305



34.7297, 0.2316, 0.3536



2.5723, 0.2305, 0.3496



# Inverse Universe

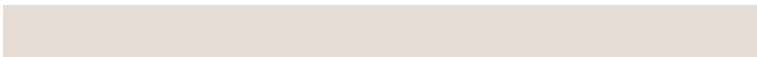
The Inverse Universe completely reimagines the original color for something new.



70.0490, 0.3216, 0.3279



88.1222, 0.3238, 0.3276



72.8054, 0.3218, 0.3349



14.8945, 0.3247, 0.3275



9.5566, 0.6311, 0.3250

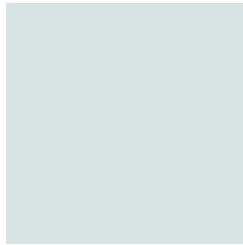


0.7127, 0.6081, 0.3124



# Previews

## White Background



This preview shows how the Yxy color 75.4799, 0.3045, 0.3301 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

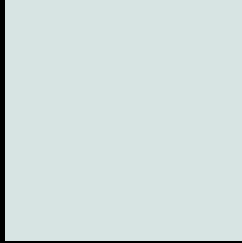
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.4799, 0.3045, 0.3301 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

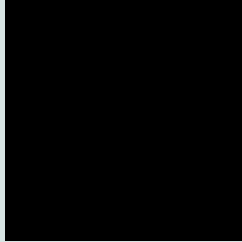
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

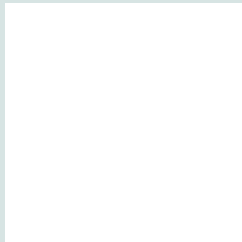
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.4799, 0.3045, 0.3301**

## Background



This preview shows how black text looks on a background with the Yxy color 75.4799, 0.3045, 0.3301.

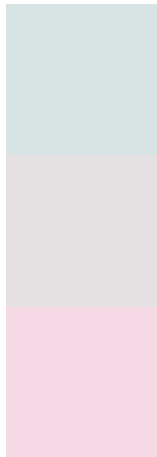


This preview shows how white text looks on a background with the Yxy color 75.4799, 0.3045, 0.3301.

# 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

75.4799, 0.3045, 0.3301

### Protanopia

75.4056, 0.3156, 0.3280

### Deuteranopia

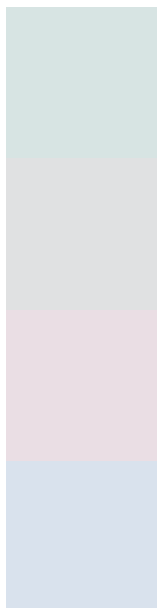
75.2124, 0.3248, 0.3178



## Tritanopia

75.2269, 0.2967, 0.3099

# Trichromacy



## Original Color

75.4799, 0.3045, 0.3301

## Protanomaly

75.1887, 0.3114, 0.3279

## Deuteranomaly

75.3364, 0.3173, 0.3227

## Tritanomaly

75.2589, 0.2997, 0.3172

# Monochromacy



## Original Color

75.4799, 0.3045, 0.3301

## Achromatopsia

74.5404, 0.3127, 0.3290

## Achromatomaly

74.6588, 0.3099, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.4799, 0.3045, 0.3301 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(215, 228, 227)` looks like.

```
.text, #text, p{  
    color:rgb(215, 228, 227)  
}
```

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(215, 228, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 228, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 75.4799, 0.3045, 0.3301 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(215, 228, 227) }
```

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

```
.border{ border-color:rgb(215, 228, 227) }
```

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

Here you see how a box with a 4 pixel rgb(215, 228, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 228, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 228, 227);  
box-shadow:4px 4px 4px 4px rgb(215, 228,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.4799, 0.3045, 0.3301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 228, 227) }
```

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

```
.background{ background-color: rgb(215,  
228, 227) }
```

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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