

# Converting Colors

$Yxy(66.0790, 0.3246, 0.3335)$

Have a look what the booklet for  
Yxy(66.0790, 0.3246, 0.3335)  
contains.

<b>Yxy(66.0790, 0.3246, 0.3335)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(66.0790, 0.3246, 0.3335)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DED2CE
RGB	222, 210, 206
RGB Percent	87%, 82%, 81%
CMY	0.1293, 0.1765, 0.1922
CMYK	0.00, 0.05, 0.07, 0.13
HSL	15°, 20%, 84%
HSV	15°, 7%, 87%
XYZ	64.3156, 66.0790, 67.7434
YIQ	213.1320, 8.4360, 1.3000

# Conversions

## Conversions Part 2

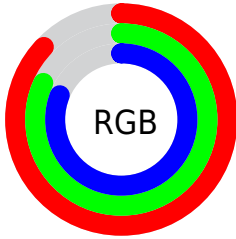
Format	Color
RYB	222, 211, 206
Decimal	14602958
CIELab	85.04, 3.46, 3.46
CIELCh	85, 4.896, 45.009
Yxy	66.0790, 0.3246, 0.3335
Android (android.graphics.Color)	4292793038 (0xFFDED2CE)
YUV	213.1320, -3.5161, 7.7772
Hunter-Lab	81.2890, -1.0271, 7.4921

# Details

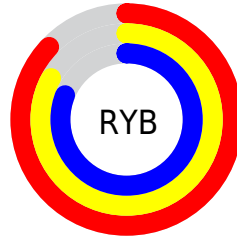
The Yxy color **66.0790, 0.3246, 0.3335** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.5424, 0.3016, 0.3245**, and the grayscale version is **66.6553, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.2594, 0.3274, 0.3349** is the 20% darker color. If you saturate the color by 10%, you get **57.2828, 0.3438, 0.3401**, and if you desaturate by 10%, it is **75.8881, 0.3086, 0.3273**.

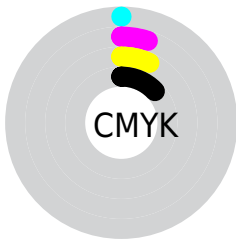
# Distribution



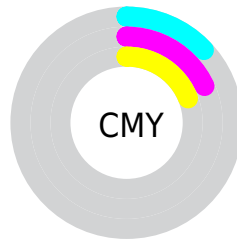
- Red (87%)
- Green (82%)
- Blue (81%)



- Red (87%)
- Yellow (83%)
- Blue (81%)



- Cyan (0%)
- Magenta (5%)
- Yellow (7%)
- Black (13%)



- Cyan (13%)
- Magenta (18%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.0790, 0.3246, 0.3335 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 66.0790, 0.3246, 0.3335 by changing the saturation by 10% instead.



■ 66.0790, 0.3246,  
0.3335

■ 66.0790, 0.3246,  
0.3335

446.6594, 0.3190,  
0.3314

■ 48.3365, 0.3259,  
0.3340

113.5997, 0.3226,  
0.3328

■ 34.0935, 0.3275,  
0.3346

144.1467, 0.3219,  
0.3325

■ 22.9654, 0.3297,  
0.3353

179.7308, 0.3212,  
0.3323

■ 14.5680, 0.3324,  
0.3363

220.7362, 0.3207,  
0.3320

■ 8.5167, 0.3363,  
0.3377

267.5473, 0.3202,  
0.3319

■ 4.4273, 0.3422,  
0.3397

320.5486, 0.3197,

■ 1.9154, 0.3518,

0.3317

0.3428

380.1245, 0.3193,  
0.3315

0.5576, 0.3998,  
0.3628

0.0000, 0.0000,  
0.0000

66.0790, 0.3246,  
0.3335

66.0790, 0.3246,  
0.3335

57.2828, 0.3438,  
0.3401

75.8881, 0.3086,  
0.3273

49.4584, 0.3669,  
0.3470

86.7323, 0.2952,  
0.3217

42.5747, 0.3942,  
0.3540

94.2742, 0.2929,  
0.3289

36.5956, 0.4260,  
0.3605

■ 31.4825, 0.4621,  
0.3659

■ 27.1942, 0.5011,  
0.3691

■ 23.6855, 0.5403,  
0.3690

■ 20.9070, 0.5756,  
0.3648

■ 18.8015, 0.6030,  
0.3566

# Harmonies

## Analogous

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



66.0790, 0.3222, 0.3282



66.0790, 0.3246, 0.3335



66.0790, 0.3238, 0.3377

# Triad

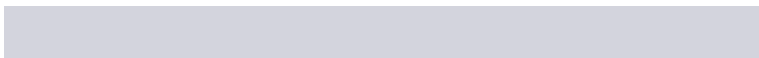
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.0790, 0.3246, 0.3335



66.0790, 0.3081, 0.3350



66.0790, 0.3055, 0.3186

# Complementary

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



66.0790, 0.3246, 0.3335



68.5424, 0.3016, 0.3245

# 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.



66.0790, 0.3018, 0.3203



66.0790, 0.3246, 0.3335



66.0790, 0.3033, 0.3297

# Square

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



66.0790, 0.3246, 0.3335



66.0790, 0.3142, 0.3386



66.0790, 0.3010, 0.3244



66.0790, 0.3111, 0.3197



# Rectangle

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



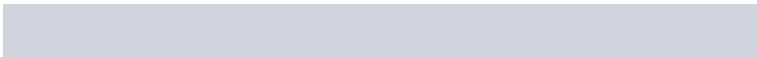
66.0790, 0.3246, 0.3335



66.0790, 0.3215, 0.3393



66.0790, 0.3010, 0.3244



66.0790, 0.3040, 0.3189

# Sweetspot

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



66.0819, 0.3246, 0.3335



97.2609, 0.3159, 0.3302



64.7298, 0.3164, 0.3158



20.8466, 0.3157, 0.3302



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

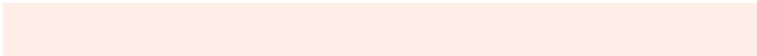


# Same Dimension

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



66.0819, 0.3246, 0.3335



88.1199, 0.3279, 0.3347



70.1408, 0.3238, 0.3423



14.2554, 0.3286, 0.3349



11.0301, 0.6070, 0.3562



0.9055, 0.5767, 0.3803

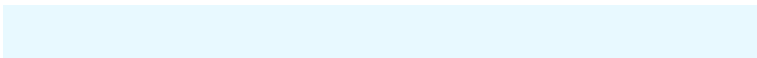


# Inverse Universe

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



68.5424, 0.3016, 0.3245



92.2921, 0.2988, 0.3232



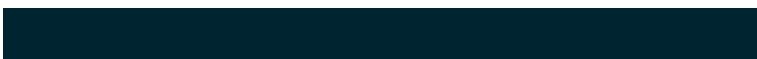
64.4836, 0.3016, 0.3153



14.9606, 0.2982, 0.3230



19.6055, 0.2017, 0.2461

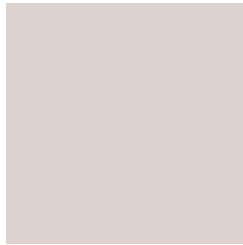


1.4982, 0.2057, 0.2604



# Previews

## White Background



This preview shows how the Yxy color 66.0790, 0.3246, 0.3335 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

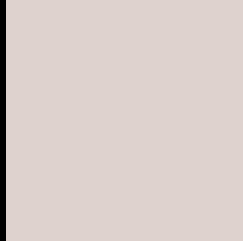
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.0790, 0.3246, 0.3335 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

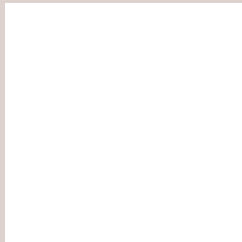
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.0790, 0.3246, 0.3335**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.0790, 0.3246, 0.3335.

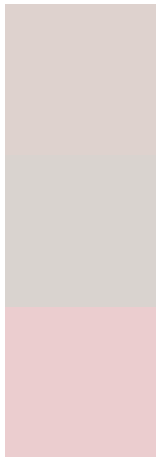


This preview shows how white text looks on a background with the Yxy color 66.0790, 0.3246, 0.3335.

# 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

66.0790, 0.3246, 0.3335

### Protanopia

65.8452, 0.3200, 0.3335

### Deuteranopia

65.8298, 0.3345, 0.3269



## Tritanopia

66.0150, 0.3143, 0.3105

# Trichromacy



## Original Color

66.0790, 0.3246, 0.3335

## Protanomaly

66.1536, 0.3215, 0.3335

## Deuteranomaly

65.9536, 0.3303, 0.3291

## Tritanomaly

65.9688, 0.3184, 0.3192

# Monochromacy



## Original Color

66.0790, 0.3246, 0.3335

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

66.3390, 0.3171, 0.3313

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.0790, 0.3246, 0.3335 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(222, 210, 206)` looks like.

```
.text, #text, p{  
    color:rgb(222, 210, 206)  
}
```

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(222, 210, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 210, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 66.0790, 0.3246, 0.3335 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(222, 210, 206) }
```

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

```
.border{ border-color:rgb(222, 210, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 210, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 210, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 210, 206);  
box-shadow:4px 4px 4px 4px rgb(222, 210,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.0790, 0.3246, 0.3335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 210, 206) }
```

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

```
.background{ background-color: rgb(222,  
210, 206) }
```

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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