

# Converting Colors

$Yxy(66.6385, 0.2856, 0.3334)$

Have a look what the booklet for  
Yxy(66.6385, 0.2856, 0.3334)  
contains.

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# Color

**Yxy(66.7695, 0.2855, 0.3337)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2DEDA
RGB	178, 222, 218
RGB Percent	70%, 87%, 85%
CMY	0.3022, 0.1293, 0.1452
CMYK	0.20, 0.00, 0.02, 0.13
HSL	175°, 40%, 78%
HSV	175°, 20%, 87%
XYZ	57.1252, 66.7695, 76.1937
YIQ	208.3880, -24.9400, -10.5720

# Conversions

## Conversions Part 2

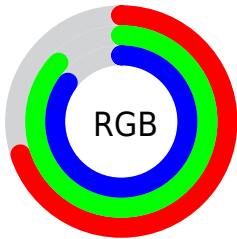
Format	Color
<b>RYB</b>	178, 201, 222
Decimal	11722458
CIELab	85.39, -15.06, -2.76
CIElCh	85, 15.309, 190.371
Yxy	66.7695, 0.2855, 0.3337
Android (android.graphics.Color)	4289912538 (0xFFB2DEDA)
YUV	208.3880, 4.7387, -26.6503
Hunter-Lab	81.7126, -18.2078, 1.9133

# Details

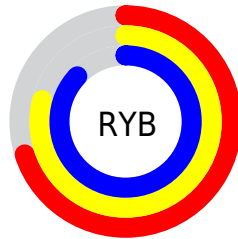
The Yxy color **66.7695, 0.2855, 0.3337** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.7298, 0.3484, 0.3244**, and the grayscale version is **63.3171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **34.5669, 0.2787, 0.3352** is the 20% darker color. If you saturate the color by 10%, you get **64.2502, 0.2732, 0.3364**, and if you desaturate by 10%, it is **69.7205, 0.2989, 0.3312**.

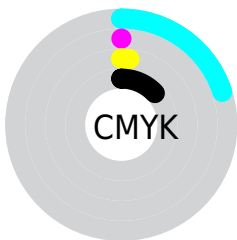
# Distribution



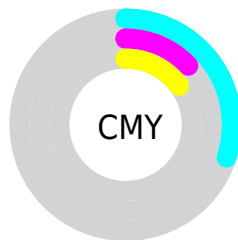
- Red (70%)
- Green (87%)
- Blue (85%)



- Red (70%)
- Yellow (79%)
- Blue (87%)



- Cyan (20%)
- Magenta (0%)
- Yellow (2%)
- Black (13%)




- Cyan (30%)
- Magenta (13%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.7695, 0.2855, 0.3337 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 66.7695, 0.2855, 0.3337 by changing the saturation by 10% instead.





 66.7695, 0.2855,  
0.3337

 66.7695, 0.2855,  
0.3337

449.1239, 0.2982,  
0.3316

 48.8973, 0.2826,  
0.3342


 114.5901, 0.2899,  
0.3330

 34.5380, 0.2789,  
0.3347


145.3073, 0.2917,  
0.3327

 23.3072, 0.2743,  
0.3354


181.0749, 0.2931,  
0.3325

 14.8205, 0.2681,  
0.3363

222.2774, 0.2944,  
0.3322

 8.6935, 0.2597,  
0.3375

269.2992, 0.2955,  
0.3321

 4.5418, 0.2473,  
0.3390

322.5246, 0.2965,

 1.9810, 0.2276,

0.3319

382.3380, 0.2974,  
0.3317

0.3412

0.5964, 0.1217,  
0.3642

0.0000, 0.0000,  
0.0000

66.7695, 0.2855,  
0.3337

66.7695, 0.2855,  
0.3337

64.2502, 0.2732,  
0.3364

69.7205, 0.2989,  
0.3312

62.1341, 0.2621,  
0.3392


73.1141, 0.3129,  
0.3290


60.4017, 0.2526,  
0.3422


76.9710, 0.3274,  
0.3269

59.0288, 0.2449,  
0.3453


79.0095, 0.3336,  
0.3250

 57.9885, 0.2391,  
0.3484


 79.1219, 0.3322,  
0.3229


 57.2499, 0.2353,  
0.3516


 79.2356, 0.3308,  
0.3209

 56.7767, 0.2333,  
0.3547

 79.3506, 0.3294,  
0.3189

 56.5053, 0.2327,  
0.3578

 79.4670, 0.3280,  
0.3169

 56.5017, 0.2327,  
0.3578

 79.5847, 0.3266,  
0.3149

# Harmonies

## Analogous

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



66.7695, 0.3010, 0.3503



66.7695, 0.2855, 0.3337



66.7695, 0.2772, 0.3163

# Triad

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



66.7695, 0.2855, 0.3337



66.7695, 0.3045, 0.2996



66.7695, 0.3484, 0.3539

# Complementary

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



66.7695, 0.2855, 0.3337



50.7298, 0.3484, 0.3244

# 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.



66.7695, 0.3496, 0.3399



66.7695, 0.2855, 0.3337



66.7695, 0.3238, 0.3091

# Square

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



66.7695, 0.2855, 0.3337



66.7695, 0.2879, 0.2973



66.7695, 0.3405, 0.3236



66.7695, 0.3375, 0.3619



# Rectangle

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



66.7695, 0.2855, 0.3337



66.7695, 0.2768, 0.3069



66.7695, 0.3405, 0.3236



66.7695, 0.3500, 0.3497

# Sweetspot

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



66.7722, 0.2855, 0.3337



97.1229, 0.3041, 0.3303



65.4530, 0.3133, 0.3830



20.7242, 0.3032, 0.3305



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

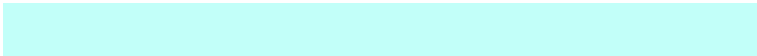


# Same Dimension

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



66.7722, 0.2855, 0.3337



89.8272, 0.2800, 0.3348



58.1055, 0.2818, 0.3077



15.5496, 0.2994, 0.3311



33.5634, 0.2326, 0.3574



2.3328, 0.2313, 0.3526



# Inverse Universe

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



50.7298, 0.3484, 0.3244



63.8969, 0.3585, 0.3233



58.0340, 0.3480, 0.3494



13.7208, 0.3278, 0.3269



9.2620, 0.6293, 0.3240

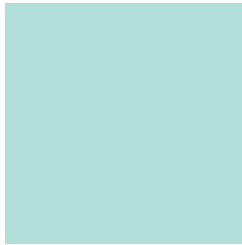


0.6491, 0.6023, 0.3091



# Previews

## White Background



This preview shows how the Yxy color 66.7695, 0.2855, 0.3337 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

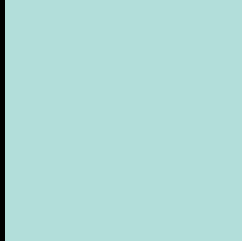
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.7695, 0.2855, 0.3337 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

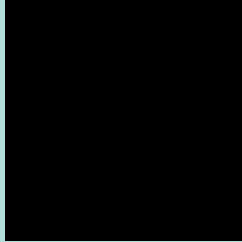
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

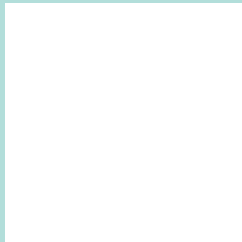
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.7695, 0.2855, 0.3337**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.7695, 0.2855, 0.3337.

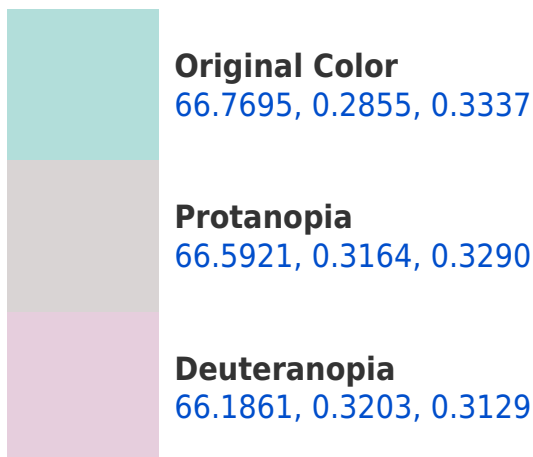


This preview shows how white text looks on a background with the Yxy color 66.7695, 0.2855, 0.3337.

# 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

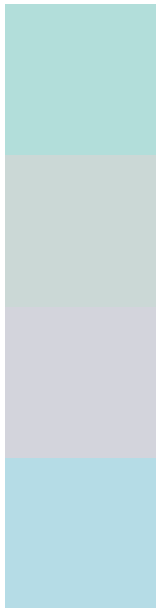




## Tritanopia

66.7225, 0.2767, 0.3082

# Trichromacy



**Original Color**

66.7695, 0.2855, 0.3337

**Protanomaly**

66.6633, 0.3047, 0.3313

**Deuteranomaly**

66.1032, 0.3066, 0.3200

**Tritanomaly**

66.7233, 0.2802, 0.3173

# Monochromacy



**Original Color**

66.7695, 0.2855, 0.3337

**Achromatopsia**

63.0757, 0.3127, 0.3290

**Achromatomaly**

64.2123, 0.3018, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.7695, 0.2855, 0.3337 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(178, 222, 218)` looks like.

```
.text, #text, p{  
    color:rgb(178, 222, 218)  
}
```

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(178, 222, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 222, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 66.7695, 0.2855, 0.3337 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(178, 222, 218) }
```

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

```
.border{ border-color:rgb(178, 222, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 222, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 222, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 222, 218);  
box-shadow:4px 4px 4px 4px rgb(178, 222,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.7695, 0.2855, 0.3337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 222, 218) }
```

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

```
.background{ background-color: rgb(178,  
222, 218) }
```

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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