

# Converting Colors

$Yxy(63.6725, 0.2636, 0.3390)$

Have a look what the booklet for  
Yxy(63.6725, 0.2636, 0.3390)  
contains.

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# Color

**Yxy(63.6725, 0.2637, 0.3390)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8AE0D8
RGB	138, 224, 216
RGB Percent	54%, 88%, 85%
CMY	0.4588, 0.1215, 0.1531
CMYK	0.38, 0.00, 0.04, 0.12
HSL	174°, 58%, 71%
HSV	174°, 38%, 88%
XYZ	49.5293, 63.6725, 74.6227
YIQ	197.3740, -48.6880, -20.7200

# Conversions

## Conversions Part 2

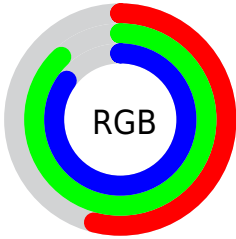
Format	Color
R <sub>Y</sub> B	138, 183, 224
Decimal	9101528
CIE Lab	83.79, -27.79, -4.27
CIE LCh	84, 28.120, 188.740
Yxy	63.6725, 0.2637, 0.3390
Android (android.graphics.Color)	4287291608 (0xFF8AE0D8)
YUV	197.3740, 9.1826, -52.0710
Hunter-Lab	79.7950, -28.8452, 0.4098

# Details

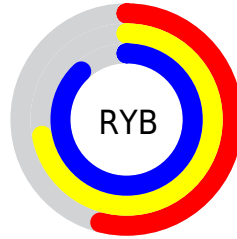
The Yxy color **63.6725, 0.2637, 0.3390** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.1058, 0.3987, 0.3197**, and the grayscale version is **56.0399, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3421, 0.2778, 0.3289**, and **32.3723, 0.2518, 0.3408** is the 20% darker color. If you saturate the color by 10%, you get **61.8495, 0.2540, 0.3420**, and if you desaturate by 10%, it is **65.8959, 0.2749, 0.3361**.

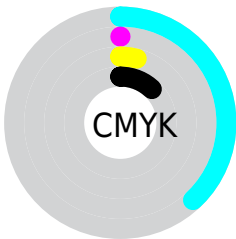
# Distribution



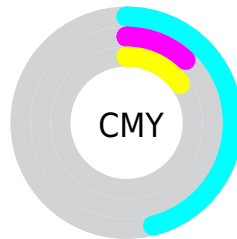
- Red (54%)
- Green (88%)
- Blue (85%)



- Red (54%)
- Yellow (72%)
- Blue (88%)



- Cyan (38%)
- Magenta (0%)
- Yellow (4%)
- Black (12%)




- Cyan (46%)
- Magenta (12%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.6725, 0.2637, 0.3390 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 63.6725, 0.2637, 0.3390 by changing the saturation by 10% instead.





 63.6725, 0.2637,  
0.3390


 63.6725, 0.2637,  
0.3390


438.0060, 0.2867,  
0.3346

 46.3855, 0.2584,  
0.3400

 110.1391, 0.2717,  
0.3375

 32.5501, 0.2518,  
0.3411


 140.0876, 0.2748,  
0.3369

 21.7820, 0.2434,  
0.3425


175.0252, 0.2775,  
0.3364

 13.6968, 0.2324,  
0.3443

215.3365, 0.2798,  
0.3359

 7.9101, 0.2172,  
0.3464

261.4058, 0.2819,  
0.3355

 4.0375, 0.1952,  
0.3491

313.6176, 0.2836,

 1.6946, 0.1606,

0.3352

0.3521

372.3562, 0.2852,  
0.3349

0.4201, 0.0000,  
0.3572

0.0000, 0.0000,  
0.0000

63.6725, 0.2637,  
0.3390

63.6725, 0.2637,  
0.3390

61.8495, 0.2540,  
0.3420

65.8959, 0.2749,  
0.3361

60.3951, 0.2460,  
0.3452

68.5345, 0.2874,  
0.3334

59.2844, 0.2400,  
0.3484


71.6114, 0.3009,  
0.3309


58.4869, 0.2358,  
0.3516


75.1460, 0.3150,  
0.3286

 57.9661, 0.2336,  
0.3548


 79.1564, 0.3296,  
0.3266


 57.6689, 0.2330,  
0.3580

 80.2054, 0.3317,  
0.3246

 57.6295, 0.2329,  
0.3585

 80.3227, 0.3303,  
0.3225

 80.4415, 0.3289,  
0.3204

 80.5617, 0.3274,  
0.3183

# Harmonies

## Analogous

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



63.6725, 0.2922, 0.3712



63.6725, 0.2637, 0.3390



63.6725, 0.2484, 0.3058

# Triad

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



63.6725, 0.2637, 0.3390



63.6725, 0.2951, 0.2753



63.6725, 0.3801, 0.3727

# Complementary

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



63.6725, 0.2637, 0.3390



36.1058, 0.3987, 0.3197

# 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.



63.6725, 0.3816, 0.3459



63.6725, 0.2637, 0.3390



63.6725, 0.3310, 0.2916

# Square

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



63.6725, 0.2637, 0.3390



63.6725, 0.2657, 0.2713



63.6725, 0.3633, 0.3168



63.6725, 0.3597, 0.3900

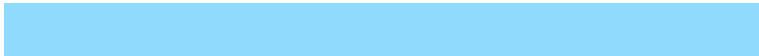


# Rectangle

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



63.6725, 0.2637, 0.3390



63.6725, 0.2470, 0.2883



63.6725, 0.3633, 0.3168



63.6725, 0.3829, 0.3645

# Sweetspot

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



63.6750, 0.2637, 0.3390



94.4684, 0.2958, 0.3318



61.3170, 0.3128, 0.4439



20.1028, 0.2940, 0.3322



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.



63.6750, 0.2637, 0.3390



83.4316, 0.2559, 0.3414



47.4442, 0.2528, 0.2838



15.5491, 0.2994, 0.3312



33.5518, 0.2328, 0.3580



2.3322, 0.2314, 0.3531



# Inverse Universe

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



36.1058, 0.3987, 0.3197



41.5102, 0.4265, 0.3179



47.3450, 0.3917, 0.3697



13.7212, 0.3277, 0.3268



9.2630, 0.6290, 0.3239



0.6493, 0.6015, 0.3087



# Previews

## White Background



This preview shows how the Yxy color 63.6725, 0.2637, 0.3390 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

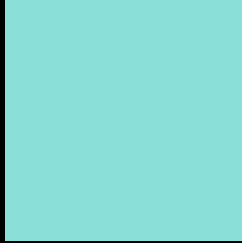
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.6725, 0.2637, 0.3390 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

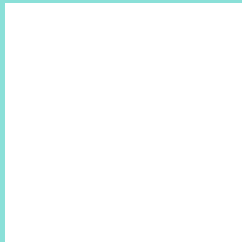
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.6725, 0.2637, 0.3390**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.6725, 0.2637, 0.3390.



This preview shows how white text looks on a background with the Yxy color 63.6725, 0.2637, 0.3390.

# 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

63.6725, 0.2637, 0.3390

### Protanopia

63.0789, 0.3172, 0.3302

### Deuteranopia

62.9911, 0.3145, 0.3081



## Tritanopia

63.8152, 0.2550, 0.3082

# Trichromacy



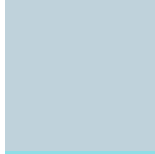
## Original Color

63.6725, 0.2637, 0.3390



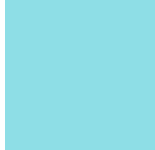
## Protanomaly

62.5559, 0.2947, 0.3325



## Deuteranomaly

62.2840, 0.2930, 0.3184



## Tritanomaly

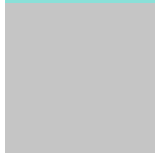
63.7065, 0.2582, 0.3190

# Monochromacy



## Original Color

63.6725, 0.2637, 0.3390



## Achromatopsia

55.8340, 0.3127, 0.3290



## Achromatomaly

58.2154, 0.2921, 0.3327

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.6725, 0.2637, 0.3390 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(138, 224, 216)` looks like.

```
.text, #text, p{  
    color:rgb(138, 224, 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(138, 224, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 224, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 63.6725, 0.2637, 0.3390 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(138, 224, 216) }
```

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

```
.border{ border-color:rgb(138, 224, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 224, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 224, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 224, 216);  
box-shadow:4px 4px 4px 4px rgb(138, 224,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.6725, 0.2637, 0.3390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 224, 216) }
```

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

```
.background{ background-color: rgb(138,  
224, 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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