

# Converting Colors

$Yxy(61.0762, 0.2648, 0.3462)$

Have a look what the booklet for  
Yxy(61.0762, 0.2648, 0.3462)  
contains.

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# Color

**Yxy(61.2044, 0.2653, 0.3470)**

# Conversions

## Conversions Part 1

Format	Color
Hex	85DDCF
RGB	133, 221, 207
RGB Percent	52%, 87%, 81%
CMY	0.4784, 0.1333, 0.1882
CMYK	0.40, 0.00, 0.06, 0.13
HSL	170°, 56%, 69%
HSV	170°, 40%, 87%
XYZ	46.7940, 61.2044, 68.3831
YIQ	193.0920, -47.9540, -23.0100

# Conversions

## Conversions Part 2

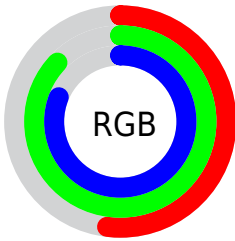
Format	Color
R <sub>YB</sub>	133, 181, 221
Decimal	8773071
CIE Lab	82.49, -29.71, -1.47
CIE LCh	82, 29.746, 182.826
Yxy	61.2044, 0.2653, 0.3470
Android (android.graphics.Color)	4286963151 (0xFF85DDCF)
YUV	193.0920, 6.8566, -52.7007
Hunter-Lab	78.2332, -30.1411, 2.9383

# Details

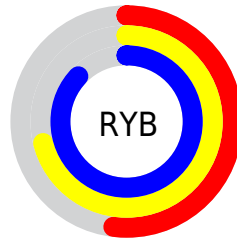
The Yxy color **61.2044, 0.2653, 0.3470** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.2589, 0.3964, 0.3124**, and the grayscale version is **53.3689, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6871, 0.2752, 0.3289**, and **31.1501, 0.2535, 0.3517** is the 20% darker color. If you saturate the color by 10%, you get **59.4230, 0.2564, 0.3523**, and if you desaturate by 10%, it is **63.3729, 0.2757, 0.3420**.

# Distribution



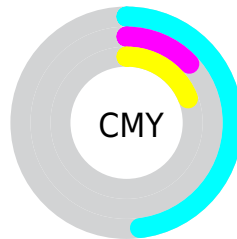
- Red (52%)
- Green (87%)
- Blue (81%)



- Red (52%)
- Yellow (71%)
- Blue (87%)



- Cyan (40%)
- Magenta (0%)
- Yellow (6%)
- Black (13%)




- Cyan (48%)
- Magenta (13%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.2044, 0.2653, 0.3470 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 61.2044, 0.2653, 0.3470 by changing the saturation by 10% instead.




 61.2044, 0.2653,  
0.3470


 61.2044, 0.2653,  
0.3470


429.0231, 0.2878,  
0.3386


 44.3901, 0.2600,  
0.3489


 106.5748, 0.2732,  
0.3441

 30.9773, 0.2535,  
0.3514


 135.8998, 0.2762,  
0.3429

 20.5816, 0.2451,  
0.3544


 170.1638, 0.2788,  
0.3419

 12.8185, 0.2339,  
0.3585

209.7512, 0.2811,  
0.3411

 7.3037, 0.2184,  
0.3640

255.0465, 0.2831,  
0.3403

 3.6527, 0.1956,  
0.3720

306.4339, 0.2848,

 1.4813, 0.1537,

0.3397

0.3866

364.2980, 0.2864,  
0.3391

0.2755, 0.0000,  
0.4063

0.0000, 0.0000,  
0.0000

61.2044, 0.2653,  
0.3470

61.2044, 0.2653,  
0.3470

59.4230, 0.2564,  
0.3523

63.3729, 0.2757,  
0.3420

57.9974, 0.2492,  
0.3578

65.9431, 0.2873,  
0.3372

56.9035, 0.2438,  
0.3635

68.9376, 0.2998,  
0.3329

56.1107, 0.2404,  
0.3692

72.3753, 0.3130,  
0.3289

■ 55.5830, 0.2390,  
0.3749

■ 76.2739, 0.3265,  
0.3254

■ 55.2580, 0.2391,  
0.3805

■ 78.5803, 0.3324,  
0.3220

■ 55.2525, 0.2391,  
0.3806

■ 78.7777, 0.3299,  
0.3185

■ 78.9790, 0.3275,  
0.3150

■ 79.1843, 0.3251,  
0.3116

# Harmonies

## Analogous

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



61.2044, 0.2978, 0.3800



61.2044, 0.2653, 0.3470



61.2044, 0.2459, 0.3104

# Triad

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



61.2044, 0.2653, 0.3470



61.2044, 0.2868, 0.2698



61.2044, 0.3870, 0.3704

# Complementary

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



61.2044, 0.2653, 0.3470



34.2589, 0.3964, 0.3124

# 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.



61.2044, 0.3844, 0.3406



61.2044, 0.2653, 0.3470



61.2044, 0.3245, 0.2848

# Square

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



61.2044, 0.2653, 0.3470



61.2044, 0.2577, 0.2683



61.2044, 0.3610, 0.3101



61.2044, 0.3686, 0.3918



# Rectangle

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



61.2044, 0.2653, 0.3470



61.2044, 0.2422, 0.2902



61.2044, 0.3610, 0.3101



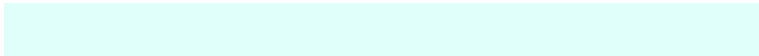
61.2044, 0.3886, 0.3610

# Sweetspot

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



61.2068, 0.2653, 0.3470



94.3418, 0.2969, 0.3339



59.6736, 0.3167, 0.4473



20.0728, 0.2952, 0.3344



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

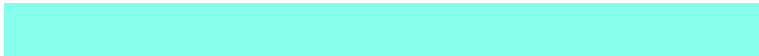


# Same Dimension

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



61.2068, 0.2653, 0.3470



82.5031, 0.2575, 0.3515



47.7643, 0.2520, 0.2900



14.7921, 0.3003, 0.3327



32.1106, 0.2388, 0.3797



2.0900, 0.2363, 0.3705



# Inverse Universe

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



34.2589, 0.3964, 0.3124



40.1949, 0.4249, 0.3091



43.0286, 0.3983, 0.3644



13.0851, 0.3267, 0.3253



9.0117, 0.6166, 0.3170

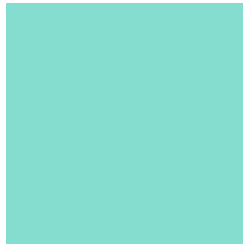


0.5945, 0.5754, 0.2943



# Previews

## White Background



This preview shows how the Yxy color 61.2044, 0.2653, 0.3470 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

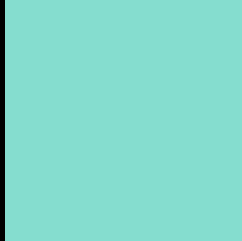
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.2044, 0.2653, 0.3470 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

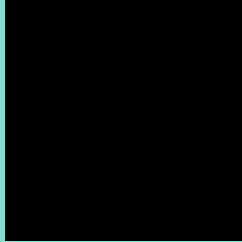
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

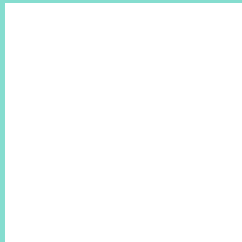
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.2044, 0.2653, 0.3470**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.2044, 0.2653, 0.3470.

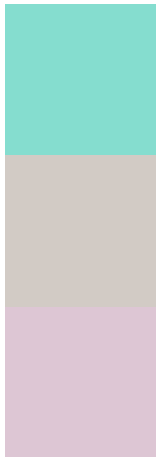


This preview shows how white text looks on a background with the Yxy color 61.2044, 0.2653, 0.3470.

# 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

61.2044, 0.2653, 0.3470

### Protanopia

60.4447, 0.3225, 0.3360

### Deuteranopia

60.5138, 0.3205, 0.3134



## Tritanopia

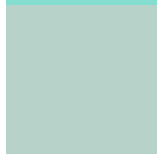
61.1417, 0.2542, 0.3079

# Trichromacy



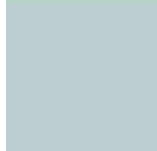
## Original Color

61.2044, 0.2653, 0.3470



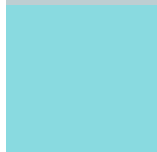
## Protanomaly

60.2553, 0.2984, 0.3400



## Deuteranomaly

59.6146, 0.2974, 0.3242



## Tritanomaly

60.8430, 0.2579, 0.3213

# Monochromacy



## Original Color

61.2044, 0.2653, 0.3470



## Achromatopsia

53.3276, 0.3127, 0.3290



## Achromatomaly

55.4470, 0.2923, 0.3353

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.2044, 0.2653, 0.3470 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(133, 221, 207)` looks like.

```
.text, #text, p{  
    color:rgb(133, 221, 207)  
}
```

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(133, 221, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 221, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 61.2044, 0.2653, 0.3470 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(133, 221, 207) }
```

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

```
.border{ border-color:rgb(133, 221, 207) }
```

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

Here you see how a box with a 4 pixel rgb(133, 221, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 221, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 221, 207);  
box-shadow:4px 4px 4px 4px rgb(133, 221,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.2044, 0.2653, 0.3470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 221, 207) }
```

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

```
.background{ background-color: rgb(133,  
221, 207) }
```

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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