

# Converting Colors

$Yxy(44.8151, 0.2652, 0.3122)$

Have a look what the booklet for  
Yxy(44.8151, 0.2652, 0.3122)  
contains.

<b>Yxy(44.8151, 0.2652, 0.3122)</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(44.8151, 0.2652, 0.3122)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	87BBC7
RGB	135, 187, 199
RGB Percent	53%, 73%, 78%
CMY	0.4706, 0.2666, 0.2197
CMYK	0.32, 0.06, 0.00, 0.22
HSL	191°, 36%, 65%
HSV	191°, 32%, 78%
XYZ	38.0684, 44.8151, 60.6626
YIQ	172.8200, -34.8440, -7.2920

# Conversions

## Conversions Part 2

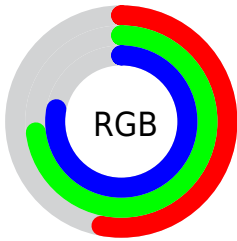
Format	Color
R <sub>Y</sub> B	135, 164, 199
Decimal	8895431
CIE Lab	72.77, -14.07, -11.52
CIE LCh	73, 18.180, 219.313
Yxy	44.8151, 0.2652, 0.3122
Android (android.graphics.Color)	4287085511 (0xFF87BBC7)
YUV	172.8200, 12.9067, -33.1681
Hunter-Lab	66.9441, -15.6463, -6.8659

# Details

The Yxy color **44.8151, 0.2652, 0.3122** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.7473, 0.3808, 0.3450**, and the grayscale version is **41.6394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2683, 0.2740, 0.3160**, and **20.8884, 0.2520, 0.3075** is the 20% darker color. If you saturate the color by 10%, you get **41.7582, 0.2521, 0.3061**, and if you desaturate by 10%, it is **48.2249, 0.2794, 0.3179**.

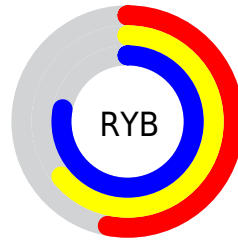
# Distribution



Red (53%)

Green (73%)

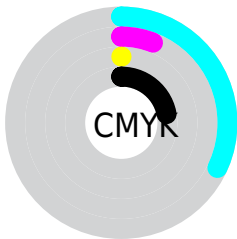
Blue (78%)



Red (53%)

Yellow (64%)

Blue (78%)

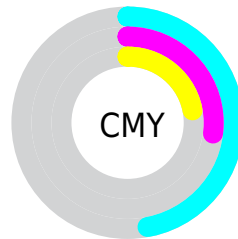


Cyan (32%)

Magenta (6%)

Yellow (0%)

Black (22%)



Cyan (47%)

Magenta (27%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8151, 0.2652, 0.3122 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 44.8151, 0.2652, 0.3122 by changing the saturation by 10% instead.





 44.8151, 0.2652,  
0.3122

 44.8151, 0.2652,  
0.3122


366.0242, 0.2887,  
0.3210


 31.3118, 0.2594,  
0.3099


 82.4429, 0.2737,  
0.3155

 20.8364, 0.2520,  
0.3068


 107.3362, 0.2769,  
0.3167

 13.0045, 0.2423,  
0.3026


 136.7949, 0.2796,  
0.3177

 7.4316, 0.2290,  
0.2965

171.2035, 0.2820,  
0.3186

 3.7335, 0.2095,  
0.2870

210.9463, 0.2840,  
0.3193

 1.5256, 0.1790,  
0.2703

256.4078, 0.2858,

 0.3067, 0.0000,

0.3200

0.2105

307.9723, 0.2873,  
0.3205

0.0000, 0.0000,  
0.0000

44.8151, 0.2652,  
0.3122

44.8151, 0.2652,  
0.3122

41.7582, 0.2521,  
0.3061

48.2249, 0.2794,  
0.3179

39.0315, 0.2402,  
0.2997

51.9986, 0.2942,  
0.3232

36.6173, 0.2300,  
0.2931

56.1529, 0.3094,  
0.3280

34.4944, 0.2215,  
0.2864

60.7020, 0.3248,  
0.3324

32.6382, 0.2150,  
0.2796

65.6595, 0.3400,  
0.3363

■ 31.0193, 0.2103,  
0.2729

■ 71.0378, 0.3549,  
0.3398

■ 29.8733, 0.2077,  
0.2676

■ 73.0063, 0.3546,  
0.3436

■ 74.9018, 0.3538,  
0.3473

■ 76.8406, 0.3530,  
0.3510

# Harmonies

## Analogous

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



44.8151, 0.2765, 0.3360



44.8151, 0.2652, 0.3122



44.8151, 0.2659, 0.2944

# Triad

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



44.8151, 0.2652, 0.3122



44.8151, 0.3267, 0.3017



44.8151, 0.3468, 0.3734

# Complementary

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



44.8151, 0.2652, 0.3122



34.7473, 0.3808, 0.3450

# 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.



44.8151, 0.3615, 0.3618



44.8151, 0.2652, 0.3122



44.8151, 0.3498, 0.3207

# Square

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



44.8151, 0.2652, 0.3122



44.8151, 0.3006, 0.2893



44.8151, 0.3627, 0.3424



44.8151, 0.3233, 0.3728



# Rectangle

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



44.8151, 0.2652, 0.3122



44.8151, 0.2732, 0.2879



44.8151, 0.3627, 0.3424



44.8151, 0.3530, 0.3708

# Sweetspot

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



44.8169, 0.2652, 0.3122



92.4736, 0.2972, 0.3242



48.0859, 0.3005, 0.4053



19.5787, 0.2951, 0.3235



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

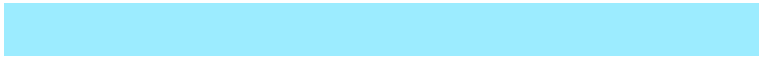


# Same Dimension

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



44.8169, 0.2652, 0.3122



74.4591, 0.2553, 0.3077



32.8029, 0.2596, 0.2656



11.7171, 0.2984, 0.3246



19.3340, 0.2079, 0.2686



1.0052, 0.2118, 0.2825



# Inverse Universe

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



33.0554, 0.3282, 0.2635



50.9650, 0.3327, 0.2485



46.0160, 0.3681, 0.3851



10.7813, 0.3166, 0.3104



9.4918, 0.3742, 0.1835

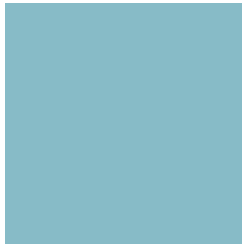


0.4585, 0.3612, 0.1763



# Previews

## White Background



This preview shows how the Yxy color 44.8151, 0.2652, 0.3122 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

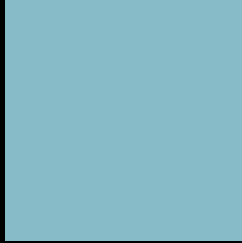
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.8151, 0.2652, 0.3122 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

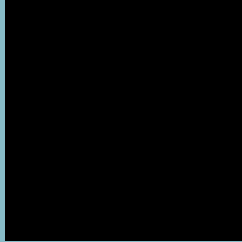
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.8151, 0.2652, 0.3122**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.8151, 0.2652, 0.3122.



This preview shows how white text looks on a background with the Yxy color 44.8151, 0.2652, 0.3122.

# 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

44.8151, 0.2652, 0.3122

### Protanopia

44.6416, 0.3001, 0.3081

### Deuteranopia

44.3418, 0.2990, 0.2922



## Tritanopia

45.0392, 0.2640, 0.3081

# Trichromacy



**Original Color**

44.8151, 0.2652, 0.3122

**Protanomaly**

44.6693, 0.2866, 0.3102

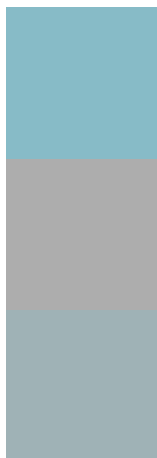
**Deuteranomaly**

44.1648, 0.2852, 0.2986

**Tritanomaly**

44.9919, 0.2646, 0.3095

# Monochromacy



**Original Color**

44.8151, 0.2652, 0.3122

**Achromatopsia**

41.7885, 0.3127, 0.3290

**Achromatomaly**

42.5891, 0.2936, 0.3234

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.8151, 0.2652, 0.3122 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(135, 187, 199)` looks like.

```
.text, #text, p{  
    color:rgb(135, 187, 199)  
}
```

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(135, 187, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 187, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 44.8151, 0.2652, 0.3122 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(135, 187, 199) }
```

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

```
.border{ border-color:rgb(135, 187, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 187, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 187, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 187, 199);  
box-shadow:4px 4px 4px 4px rgb(135, 187,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.8151, 0.2652, 0.3122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 187, 199) }
```

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

```
.background{ background-color: rgb(135,  
187, 199) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor