

# Converting Colors

$Yxy(54.8516, 0.2631, 0.3296)$

Have a look what the booklet for  
Yxy(54.8516, 0.2631, 0.3296)  
contains.

<b>Yxy(54.7341, 0.2630, 0.3289)</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(54.7341, 0.2630, 0.3289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	86D0D0
RGB	134, 208, 208
RGB Percent	53%, 82%, 82%
CMY	0.4746, 0.1843, 0.1844
CMYK	0.36, 0.00, 0.00, 0.18
HSL	180°, 44%, 67%
HSV	180°, 36%, 82%
XYZ	43.7673, 54.7341, 67.9142
YIQ	185.8740, -44.1040, -15.6880

# Conversions

## Conversions Part 2

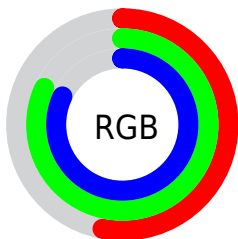
Format	Color
<a href="#">RYB</a>	<a href="#">134, 171, 208</a>
Decimal	<a href="#">8835280</a>
CIELab	<a href="#">78.89, -22.89, -7.28</a>
CIELCh	<a href="#">79, 24.023, 197.646</a>
Yxy	<a href="#">54.7341, 0.2630, 0.3289</a>
Android (android.graphics.Color)	<a href="#">4287025360</a> ( <a href="#">0xFF86D0D0</a> )
YUV	<a href="#">185.8740, 10.9081, -45.4935</a>
Hunter-Lab	<a href="#">73.9825, -23.8705, -2.6391</a>

# Details

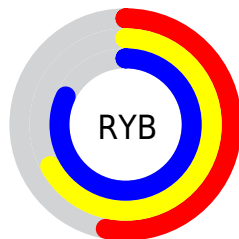
The Yxy color  $54.7341, 0.2630, 0.3289$  is a light color, and the websafe version is hex  $99CCCC$ . A complement of this color would be  $32.1785, 0.3974, 0.3292$ , and the grayscale version is  $48.9830, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $89.6871, 0.2752, 0.3289$ , and  $26.7778, 0.2497, 0.3270$  is the 20% darker color. If you saturate the color by 10%, you get  $53.1916, 0.2521, 0.3289$ , and if you desaturate by 10%, it is  $56.6170, 0.2755, 0.3289$ .

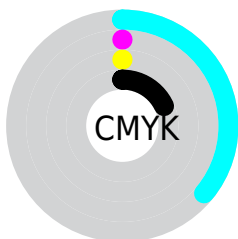
# Distribution



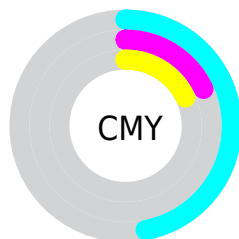
- Red (53%)
- Green (82%)
- Blue (82%)



- Red (53%)
- Yellow (67%)
- Blue (82%)



- Cyan (36%)
- Magenta (0%)
- Yellow (0%)
- Black (18%)




- Cyan (47%)
- Magenta (18%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.7341, 0.2630, 0.3289 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 54.7341, 0.2630, 0.3289 by changing the saturation by 10% instead.





 54.7341, 0.2630,  
0.3289


 54.7341, 0.2630,  
0.3289


404.9032, 0.2868,  
0.3294

 39.1889, 0.2573,  
0.3287


 97.1513, 0.2714,  
0.3292

 26.9067, 0.2503,  
0.3283


 124.7920, 0.2747,  
0.3292

 17.5032, 0.2411,  
0.3277


 157.2333, 0.2774,  
0.3293

 10.5939, 0.2289,  
0.3268

194.8597, 0.2798,  
0.3293

 5.7945, 0.2117,  
0.3249

238.0555, 0.2819,  
0.3293

 2.7205, 0.1860,  
0.3212

287.2051, 0.2838,

 0.9876, 0.1220,

0.3294

342.6928, 0.2854,  
0.3294

0.3201

0.0000, 0.0000,  
0.0000

54.7341, 0.2630,  
0.3289

54.7341, 0.2630,  
0.3289

53.1916, 0.2521,  
0.3289

56.6170, 0.2755,  
0.3289

51.9633, 0.2430,  
0.3289

58.8521, 0.2893,  
0.3290

51.0295, 0.2357,  
0.3289


61.4584, 0.3041,  
0.3290

50.3654, 0.2304,  
0.3289

64.4517, 0.3196,  
0.3290

49.9425, 0.2270,  
0.3289

67.8469, 0.3356,  
0.3291


 49.7255, 0.2252,  
0.3289

 70.9324, 0.3488,  
0.3291

 49.6661, 0.2247,  
0.3289

 70.9329, 0.3488,  
0.3291

 70.9334, 0.3488,  
0.3291

 70.9339, 0.3488,  
0.3291

# Harmonies

## Analogous

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



54.7341, 0.2858, 0.3590



54.7341, 0.2630, 0.3289



54.7341, 0.2532, 0.3007

# Triad

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



54.7341, 0.2630, 0.3289



54.7341, 0.3063, 0.2837



54.7341, 0.3694, 0.3744

# Complementary

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



54.7341, 0.2630, 0.3289



32.1785, 0.3974, 0.3292

# 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.



54.7341, 0.3761, 0.3522



54.7341, 0.2630, 0.3289



54.7341, 0.3386, 0.3014

# Square

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



54.7341, 0.2630, 0.3289



54.7341, 0.2772, 0.2766



54.7341, 0.3647, 0.3258



54.7341, 0.3473, 0.3856



# Rectangle

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



54.7341, 0.2630, 0.3289



54.7341, 0.2550, 0.2871



54.7341, 0.3647, 0.3258



54.7341, 0.3736, 0.3679

# Sweetspot

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



54.7363, 0.2630, 0.3289



95.0619, 0.2958, 0.3290



52.0062, 0.3086, 0.4351



20.2280, 0.2938, 0.3290



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.



54.7363, 0.2630, 0.3289



84.7881, 0.2542, 0.3289



39.2142, 0.2562, 0.2790



13.4070, 0.2983, 0.3290



30.9514, 0.2247, 0.3289



1.7306, 0.2247, 0.3289



# Inverse Universe

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



32.1785, 0.3974, 0.3292



43.6748, 0.4264, 0.3293



43.7926, 0.3813, 0.3740



11.8083, 0.3291, 0.3290



8.3580, 0.6400, 0.3299

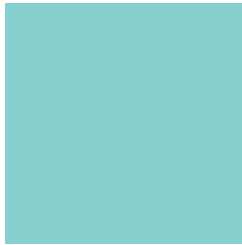


0.4674, 0.6398, 0.3298



# Previews

## White Background



This preview shows how the Yxy color 54.7341, 0.2630, 0.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

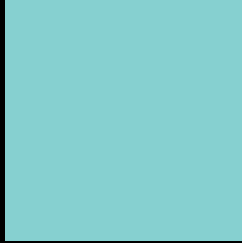
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.7341, 0.2630, 0.3289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

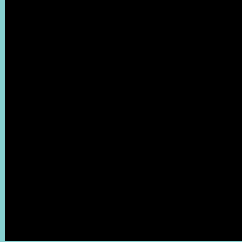
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

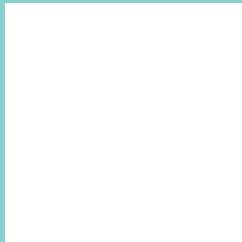
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.7341, 0.2630, 0.3289**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.7341, 0.2630, 0.3289.



This preview shows how white text looks on a background with the Yxy color 54.7341, 0.2630, 0.3289.

# 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

54.7341, 0.2630, 0.3289

### Protanopia

53.9992, 0.3107, 0.3217

### Deuteranopia

54.1278, 0.3083, 0.3020



## Tritanopia

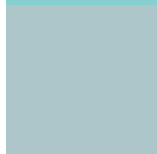
54.8198, 0.2572, 0.3083

# Trichromacy



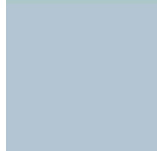
## Original Color

54.7341, 0.2630, 0.3289



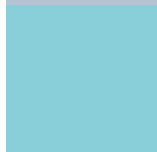
## Protanomaly

53.5367, 0.2909, 0.3239



## Deuteranomaly

53.7667, 0.2892, 0.3104



## Tritanomaly

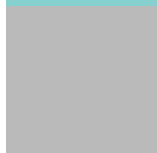
54.9538, 0.2595, 0.3159

# Monochromacy



## Original Color

54.7341, 0.2630, 0.3289



## Achromatopsia

49.1021, 0.3127, 0.3290



## Achromatomaly

50.6941, 0.2918, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.7341, 0.2630, 0.3289 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(134, 208, 208)` looks like.

```
.text, #text, p{  
    color:rgb(134, 208, 208)  
}
```

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(134, 208, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 208, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 54.7341, 0.2630, 0.3289 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(134, 208, 208) }
```

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

```
.border{ border-color:rgb(134, 208, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 208, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 208, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 208, 208);  
box-shadow:4px 4px 4px 4px rgb(134, 208,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.7341, 0.2630, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 208, 208) }
```

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

```
.background{ background-color: rgb(134,  
208, 208) }
```

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