

Converting Colors

$Y_{xy}(43.3097, 0.2674, 0.3138)$

Have a look what the booklet for
Yxy(43.3097, 0.2674, 0.3138)
contains.

Yxy(43.3720, 0.2672, 0.3134) 3

Conversions 4

Details 6

Harmonies 12

Previews 24

Color Blindness Simulation 27

CSS Examples 30

Color

Yxy(43.3720, 0.2672, 0.3134)

Conversions

Conversions Part 1	
Format	Color
Hex	87B8C3
RGB	135, 184, 195
RGB Percent	53%, 72%, 76%
CMY	0.4707, 0.2784, 0.2354
CMYK	0.31, 0.06, 0.00, 0.24
HSL	191°, 33%, 65%
HSV	191°, 31%, 76%
XYZ	36.9783, 43.3720, 58.0415
YIQ	170.6030, -32.7350, -6.9670

Conversions

Conversions Part 2

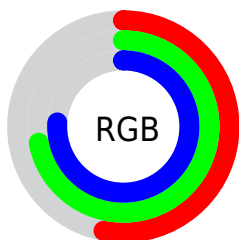
Format	Color
RYB	135, 162, 195
Decimal	8894659
CIELab	71.81, -13.47, -10.77
CIELCh	72, 17.246, 218.662
Yxy	43.3720, 0.2672, 0.3134
Android (android.graphics.Color)	4287084739 (0xFF87B8C3)
YUV	170.6030, 12.0277, -31.2238
Hunter-Lab	65.8574, -15.0245, -6.1533

Details

The Yxy color $43.3720, 0.2672, 0.3134$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $33.8924, 0.3770, 0.3440$, and the grayscale version is $40.4648, 0.3127, 0.3290$.

A 20% lighter version of the original color is $80.2956, 0.2753, 0.3159$, and $19.9947, 0.2550, 0.3092$ is the 20% darker color. If you saturate the color by 10%, you get $40.4390, 0.2539, 0.3075$, and if you desaturate by 10%, it is $46.6419, 0.2814, 0.3189$.

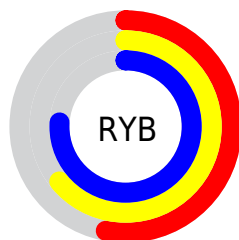
Distribution



Red (53%)

Green (72%)

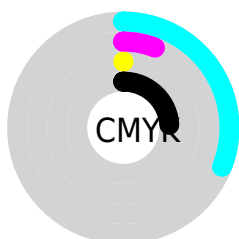
Blue (76%)



Red (53%)

Yellow (64%)

Blue (76%)

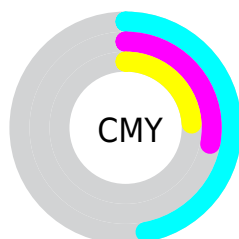


Cyan (31%)

Magenta (6%)

Yellow (0%)

Black (24%)



Cyan (47%)


Magenta (28%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.3720, 0.2672, 0.3134 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 43.3720, 0.2672, 0.3134 by changing the saturation by 10% instead.


 43.3720, 0.2672,
0.3134


 43.3720, 0.2672,
0.3134


360.1394, 0.2899,
0.3217


 30.1771, 0.2616,
0.3112


 80.2719, 0.2754,
0.3165

 19.9731, 0.2544,
0.3083


 104.7457, 0.2785,
0.3176

 12.3755, 0.2448,
0.3043


 133.7480, 0.2811,
0.3186

 6.9999, 0.2316,
0.2985

167.6630, 0.2834,
0.3194

 3.4621, 0.2123,
0.2893

206.8753, 0.2853,
0.3201

 1.3774, 0.1814,
0.2729


251.7692, 0.2870,


 0.2000, 0.0000,


0.3207


0.1708

302.7291, 0.2885,
0.3212

 0.0000, 0.0000,
0.0000


 43.3720, 0.2672,
0.3134

 43.3720, 0.2672,
0.3134


 40.4390, 0.2539,
0.3075


 46.6419, 0.2814,
0.3189


 37.8214, 0.2420,
0.3013


 50.2589, 0.2963,
0.3240

 35.5028, 0.2315,
0.2949


 54.2387, 0.3115,
0.3287

 33.4632, 0.2229,
0.2884


 58.5949, 0.3269,
0.3329

 31.6798, 0.2161,
0.2818


 63.3400, 0.3421,
0.3366

 30.1255, 0.2113,
0.2752

 68.4861, 0.3570,
0.3400

 28.8472, 0.2081,
0.2692

 70.7860, 0.3586,
0.3435

 72.5552, 0.3577,
0.3471

 74.3637, 0.3569,
0.3507

Harmonies

Analogous

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



43.3720, 0.2784, 0.3363



43.3720, 0.2672, 0.3134



43.3720, 0.2676, 0.2961

Triad

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



43.3720, 0.2672, 0.3134



43.3720, 0.3256, 0.3024



43.3720, 0.3459, 0.3715

Complementary

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



43.3720, 0.2672, 0.3134



33.8924, 0.3770, 0.3440

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.



43.3720, 0.3597, 0.3602



43.3720, 0.2672, 0.3134



43.3720, 0.3479, 0.3207

Square

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



43.3720, 0.2672, 0.3134



43.3720, 0.3006, 0.2907



43.3720, 0.3605, 0.3415



43.3720, 0.3234, 0.3711

Rectangle

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



43.3720, 0.2672, 0.3134



43.3720, 0.2744, 0.2897



43.3720, 0.3605, 0.3415



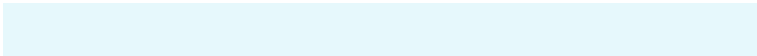
43.3720, 0.3517, 0.3689

Sweetspot

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



43.3737, 0.2672, 0.3134



91.1514, 0.2988, 0.3248



46.2157, 0.3017, 0.4029



19.7385, 0.2965, 0.3241



0.0000, 0.0000, 0.0000



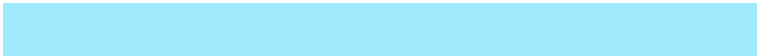
21.4041, 0.3127, 0.3290

Same Dimension

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



43.3737, 0.2672, 0.3134



74.0596, 0.2581, 0.3094



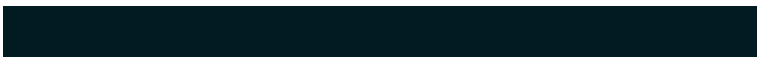
32.5254, 0.2623, 0.2703



11.1050, 0.2984, 0.3247



18.8661, 0.2084, 0.2701



0.8985, 0.2124, 0.2846

Inverse Universe

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



32.3837, 0.3271, 0.2661



51.6102, 0.3311, 0.2522



44.0017, 0.3657, 0.3813



10.2149, 0.3165, 0.3104



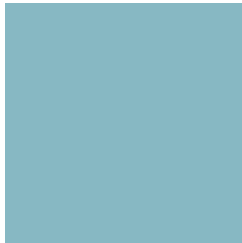
9.1868, 0.3727, 0.1827



0.4054, 0.3592, 0.1753

Previews

White Background



This preview shows how the Yxy color 43.3720, 0.2672, 0.3134 looks on a white background.

Color Contrast Check

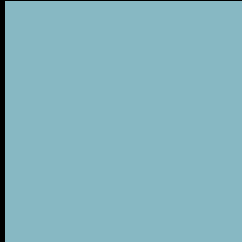
Large Text (above 18pt) WCAG AA × Fail

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 43.3720, 0.2672, 0.3134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

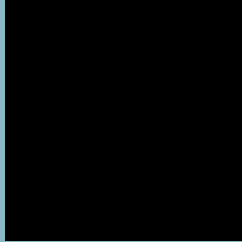
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

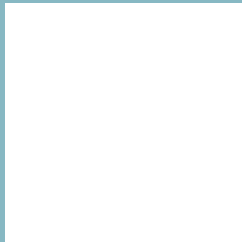
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.3720, 0.2672, 0.3134

Background



This preview shows how black text looks on a background with the Yxy color 43.3720, 0.2672, 0.3134.

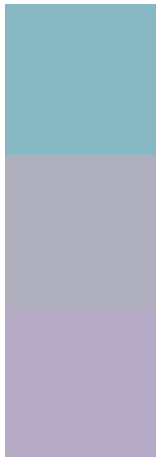


This preview shows how white text looks on a background with the Yxy color 43.3720, 0.2672, 0.3134.

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

43.3720, 0.2672, 0.3134

Protanopia

43.0602, 0.3015, 0.3091

Deuteranopia

43.1481, 0.3004, 0.2943




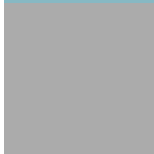
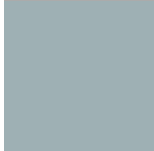
Tritanopia

43.1784, 0.2658, 0.3079

Trichromacy

	Original Color 43.3720, 0.2672, 0.3134
	Protanomaly 43.0760, 0.2877, 0.3112
	Deuteranomaly 43.0812, 0.2872, 0.3009
	Tritanomaly 43.1324, 0.2664, 0.3092

Monochromacy

	Original Color 43.3720, 0.2672, 0.3134
	Achromatopsia 40.7240, 0.3127, 0.3290
	Achromatomaly 41.6151, 0.2942, 0.3234

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.3720, 0.2672, 0.3134 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, 184, 195)` looks like.

```
.text, #text, p{  
    color:rgb(135, 184, 195)  
}
```

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, 184, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 184, 195) }
```

Border

The CSS property to change the border of an element to Yxy 43.3720, 0.2672, 0.3134 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, 184, 195) }
```

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

```
.border{ border-color:rgb(135, 184, 195) }
```

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

Here you see how a box with a 4 pixel rgb(135, 184, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 184, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 184, 195);  
box-shadow:4px 4px 4px 4px rgb(135, 184,  
195) }
```

Background

The CSS property to change the background color of an element to Yxy 43.3720, 0.2672, 0.3134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 184, 195) }
```

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

```
.background{ background-color: rgb(135,  
184, 195) }
```

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