

Converting Colors

$Y_{xy}(42.8787, 0.2571, 0.3089)$

Have a look what the booklet for
Yxy(42.8787, 0.2571, 0.3089)
contains.

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Color

Yxy(43.0324, 0.2572, 0.3089)

Conversions

Conversions Part 1	
Format	Color
Hex	7BB9C7
RGB	123, 185, 199
RGB Percent	48%, 73%, 78%
CMY	0.5175, 0.2745, 0.2196
CMYK	0.38, 0.07, 0.00, 0.22
HSL	191°, 40%, 63%
HSV	191°, 38%, 78%
XYZ	35.8301, 43.0324, 60.4460
YIQ	168.0580, -41.4460, -8.7900

Conversions

Conversions Part 2

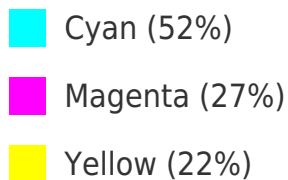
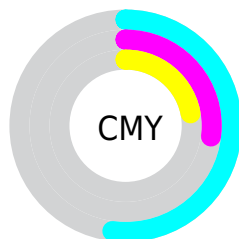
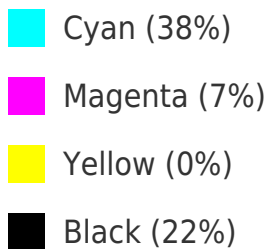
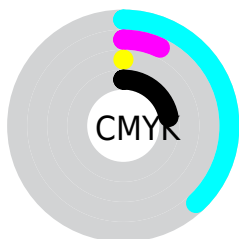
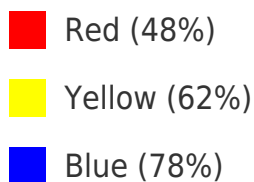
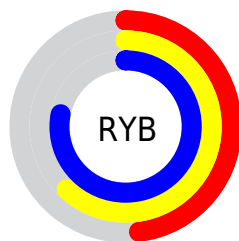
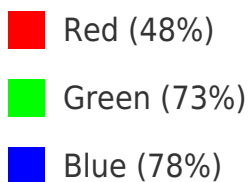
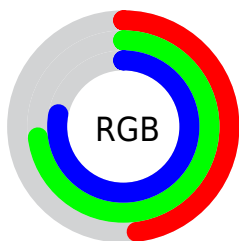
Format	Color
RYB	123, 157, 199
Decimal	8108487
CIELab	71.58, -16.29, -13.38
CIELCh	72, 21.082, 219.391
Yxy	43.0324, 0.2572, 0.3089
Android (android.graphics.Color)	4286298567 (0xFF7BB9C7)
YUV	168.0580, 15.2544, -39.5159
Hunter-Lab	65.5991, -17.3019, -8.7131

Details

The Yxy color **43.0324, 0.2572, 0.3089** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.4766, 0.3988, 0.3479**, and the grayscale version is **39.1322, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5956, 0.2673, 0.3135**, and **19.8121, 0.2418, 0.3029** is the 20% darker color. If you saturate the color by 10%, you get **40.1972, 0.2448, 0.3027**, and if you desaturate by 10%, it is **46.2089, 0.2708, 0.3147**.


Distribution




Brightness & Saturation Gradients


These gradients show how the Yxy color 43.0324, 0.2572, 0.3089 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 43.0324, 0.2572, 0.3089 by changing the saturation by 10% instead.

 43.0324, 0.2572,
0.3089


 43.0324, 0.2572,
0.3089

358.7450, 0.2848,
0.3196

 29.9105, 0.2504,
0.3060


 79.7598, 0.2672,
0.3129

 19.7707, 0.2417,
0.3023


 104.1340, 0.2709,
0.3144

 12.2285, 0.2303,
0.2971


 133.0279, 0.2741,
0.3156

 6.8995, 0.2146,
0.2895

166.8258, 0.2768,
0.3167

 3.3993, 0.1919,
0.2775

205.9120, 0.2792,
0.3176

 1.3436, 0.1565,
0.2563

250.6710, 0.2813,

 0.1746, 0.0000,

0.3183

0.1334

301.4872, 0.2831,
0.3190

0.0000, 0.0000,
0.0000

43.0324, 0.2572,
0.3089

43.0324, 0.2572,
0.3089

40.1972, 0.2448,
0.3027

46.2089, 0.2708,
0.3147

37.6797, 0.2340,
0.2963

49.7386, 0.2852,
0.3202

35.4611, 0.2248,
0.2897


53.6388, 0.3002,
0.3252

33.5184, 0.2175,
0.2830


57.9243, 0.3155,
0.3298

31.8244, 0.2122,
0.2764

62.6089, 0.3309,
0.3339

 30.3379, 0.2086,
0.2698

 67.7057, 0.3460,
0.3376

 30.0760, 0.2080,
0.2686

 71.8078, 0.3551,
0.3411

 73.6472, 0.3543,
0.3448

 75.5285, 0.3535,
0.3485

Harmonies

Analogous

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



43.0324, 0.2703, 0.3371



43.0324, 0.2572, 0.3089



43.0324, 0.2581, 0.2882

Triad

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



43.0324, 0.2572, 0.3089



43.0324, 0.3291, 0.2972



43.0324, 0.3526, 0.3813

Complementary

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



43.0324, 0.2572, 0.3089



31.4766, 0.3988, 0.3479

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.



43.0324, 0.3701, 0.3673



43.0324, 0.2572, 0.3089



43.0324, 0.3564, 0.3192

Square

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



43.0324, 0.2572, 0.3089



43.0324, 0.2984, 0.2828



43.0324, 0.3716, 0.3444



43.0324, 0.3248, 0.3808

Rectangle

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



43.0324, 0.2572, 0.3089



43.0324, 0.2665, 0.2809



43.0324, 0.3716, 0.3444



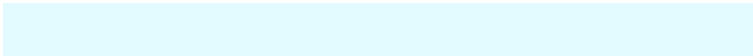
43.0324, 0.3599, 0.3780

Sweetspot

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



43.0341, 0.2572, 0.3089



91.8085, 0.2957, 0.3238



46.8638, 0.2985, 0.4225



19.4471, 0.2936, 0.3231



0.0000, 0.0000, 0.0000



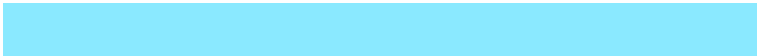
21.4041, 0.3127, 0.3290

Same Dimension

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



43.0341, 0.2572, 0.3089



71.0913, 0.2466, 0.3037



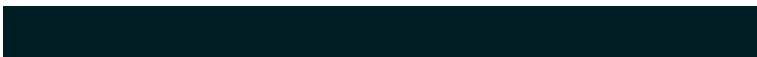
29.2354, 0.2487, 0.2513



11.7223, 0.2984, 0.3246



19.4597, 0.2082, 0.2695



1.0102, 0.2120, 0.2832

Inverse Universe

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



29.8216, 0.3316, 0.2510



45.2560, 0.3371, 0.2345



44.2107, 0.3800, 0.3958



10.7818, 0.3165, 0.3104



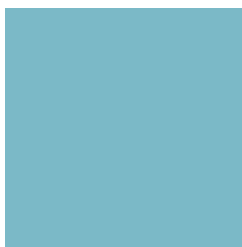
9.5045, 0.3733, 0.1830



0.4590, 0.3605, 0.1760

Previews

White Background



This preview shows how the Yxy color 43.0324, 0.2572, 0.3089 looks on a white background.

Color Contrast Check

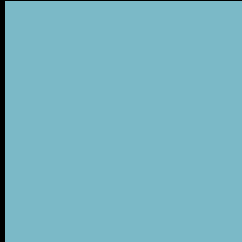
Large Text (above 18pt) WCAG AA × Fail

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 43.0324, 0.2572, 0.3089 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 43.0324, 0.2572, 0.3089

Background



This preview shows how black text looks on a background with the Yxy color 43.0324, 0.2572, 0.3089.



This preview shows how white text looks on a background with the Yxy color 43.0324, 0.2572, 0.3089.

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

43.0324, 0.2572, 0.3089

Protanopia

42.5771, 0.2975, 0.3038

Deuteranopia

42.4787, 0.2939, 0.2877



Tritanopia

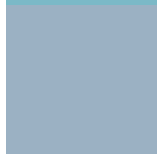
43.0790, 0.2566, 0.3075

Trichromacy



Original Color

43.0324, 0.2572, 0.3089



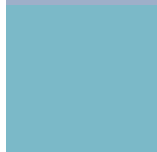
Protanomaly

42.3530, 0.2808, 0.3043



Deuteranomaly

42.1461, 0.2787, 0.2939



Tritanomaly

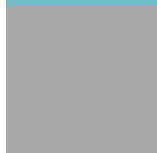
43.0790, 0.2566, 0.3075

Monochromacy



Original Color

43.0324, 0.2572, 0.3089



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

40.2022, 0.2900, 0.3218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.0324, 0.2572, 0.3089 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(123, 185, 199)` looks like.

```
.text, #text, p{  
    color:rgb(123, 185, 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(123, 185, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 185, 199) }
```

Border

The CSS property to change the border of an element to Yxy 43.0324, 0.2572, 0.3089 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(123, 185, 199) }
```

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

```
.border{ border-color:rgb(123, 185, 199) }
```

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

Here you see how a box with a 4 pixel rgb(123, 185, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 185, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 185, 199);  
box-shadow:4px 4px 4px 4px rgb(123, 185,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 43.0324, 0.2572, 0.3089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 185, 199) }
```

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

```
.background{ background-color: rgb(123,  
185, 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](#).

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