

Converting Colors

$Y_{xy}(42.4157, 0.2909, 0.3298)$

Have a look what the booklet for
Yxy(42.4157, 0.2909, 0.3298)
contains.

Yxy(42.2672, 0.2910, 0.3289)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.2672, 0.2910, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	99B3B3
RGB	153, 179, 179
RGB Percent	60%, 70%, 70%
CMY	0.4000, 0.2980, 0.2979
CMYK	0.15, 0.00, 0.00, 0.30
HSL	180°, 15%, 65%
HSV	180°, 15%, 70%
XYZ	37.3966, 42.2672, 48.8470
YIQ	171.2260, -15.4960, -5.5120

Conversions

Conversions Part 2

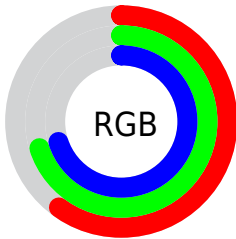
Format	Color
RYB	153, 166, 179
Decimal	10073011
CIELab	71.05, -8.85, -3.01
CIELCh	71, 9.351, 198.780
Yxy	42.2672, 0.2910, 0.3289
Android (android.graphics.Color)	4288263091 (0xFF99B3B3)
YUV	171.2260, 3.8326, -15.9842
Hunter-Lab	65.0132, -11.0971, 0.9624

Details

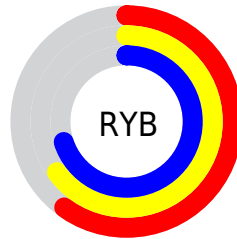
The Yxy color $42.2672, 0.2910, 0.3289$ is a light color, and the websafe version is hex $99CCCC$. A complement of this color would be $34.6803, 0.3392, 0.3291$, and the grayscale version is $40.8326, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.8247, 0.2951, 0.3289$, and $19.2528, 0.2854, 0.3289$ is the 20% darker color. If you saturate the color by 10%, you get $40.6489, 0.2772, 0.3288$, and if you desaturate by 10%, it is $44.1503, 0.3058, 0.3290$.

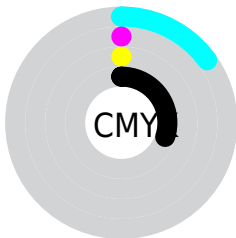
Distribution



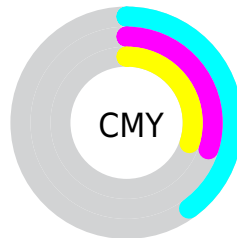
- Red (60%)
- Green (70%)
- Blue (70%)



- Red (60%)
- Yellow (65%)
- Blue (70%)



- Cyan (15%)
- Magenta (0%)
- Yellow (0%)
- Black (30%)



- Cyan (40%)
- Magenta (30%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2672, 0.2910, 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 42.2672, 0.2910, 0.3289 by changing the saturation by 10% instead.

■ 42.2672, 0.2910,
0.3289

■ 42.2672, 0.2910,
0.3289

■ 355.5894, 0.3020,
0.3290

■ 29.3106, 0.2882,
0.3288

■ 78.6039, 0.2950,
0.3290

■ 19.3159, 0.2846,
0.3287

■ 102.7527, 0.2965,
0.3290

■ 11.8988, 0.2798,
0.3286

■ 131.4010, 0.2978,
0.3290

■ 6.6748, 0.2729,
0.3283

■ 164.9333, 0.2989,
0.3290

■ 3.2596, 0.2625,
0.3277

■ 203.7339, 0.2998,
0.3290

■ 1.2687, 0.2448,
0.3264

■ 248.1871, 0.3006,

■ 0.1168, 0.0000,

0.3290

0.2570

298.6775, 0.3013,
0.3290

0.0000, 0.0000,
0.0000

42.2672, 0.2910,
0.3289

42.2672, 0.2910,
0.3289

40.6489, 0.2772,
0.3288

44.1503, 0.3058,
0.3290

39.2787, 0.2646,
0.3288

46.3040, 0.3212,
0.3290

38.1457, 0.2536,
0.3287

48.7401, 0.3371,
0.3291

37.2365, 0.2443,
0.3287

51.4684, 0.3531,
0.3292

36.5361, 0.2368,
0.3286

54.4983, 0.3689,
0.3292

■ 36.0277, 0.2312,
0.3286

■ 56.7951, 0.3799,
0.3293

■ 35.6922, 0.2274,
0.3285

■ 56.8017, 0.3799,
0.3293

■ 35.5063, 0.2253,
0.3285

■ 56.8083, 0.3798,
0.3293

■ 35.4395, 0.2246,
0.3285

■ 56.8149, 0.3798,
0.3293

Harmonies

Analogous

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



42.2672, 0.3010, 0.3410



42.2672, 0.2910, 0.3289



42.2672, 0.2868, 0.3171

Triad

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



42.2672, 0.2910, 0.3289



42.2672, 0.3108, 0.3093



42.2672, 0.3365, 0.3490

Complementary

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



42.2672, 0.2910, 0.3289



34.6803, 0.3392, 0.3291

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.



42.2672, 0.3394, 0.3400



42.2672, 0.2910, 0.3289



42.2672, 0.3243, 0.3174

Square

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



42.2672, 0.2910, 0.3289



42.2672, 0.2980, 0.3061



42.2672, 0.3349, 0.3285



42.2672, 0.3272, 0.3527

Rectangle

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



42.2672, 0.2910, 0.3289



42.2672, 0.2877, 0.3111



42.2672, 0.3349, 0.3285



42.2672, 0.3383, 0.3465

Sweetspot

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



42.2690, 0.2910, 0.3289



79.2168, 0.3065, 0.3290



41.3231, 0.3109, 0.3670



17.4906, 0.3053, 0.3290



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



42.2690, 0.2910, 0.3289



74.8352, 0.2871, 0.3289



37.3075, 0.2904, 0.3103



9.6302, 0.2986, 0.3289



25.0365, 0.2246, 0.3285



0.7882, 0.2246, 0.3285

Inverse Universe

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



35.6269, 0.3144, 0.2938



60.9551, 0.3147, 0.2870



39.1653, 0.3366, 0.3471



8.6466, 0.3138, 0.3066



9.0676, 0.3211, 0.1543



0.2853, 0.3211, 0.1542

Previews

White Background



This preview shows how the Yxy color 42.2672, 0.2910, 0.3289 looks on a white background.

Color Contrast Check

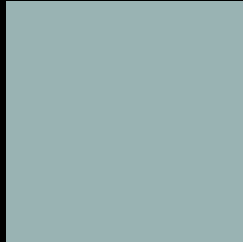
Large Text (above 18pt) WCAG AA × Fail

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 42.2672, 0.2910, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

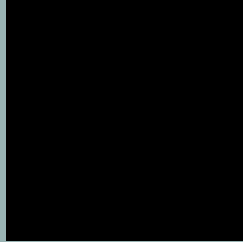
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

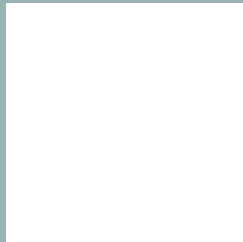
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.2672, 0.2910, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 42.2672, 0.2910, 0.3289.



This preview shows how white text looks on a background with the Yxy color 42.2672, 0.2910, 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

42.2672, 0.2910, 0.3289

Protanopia

42.2124, 0.3137, 0.3263

Deuteranopia

41.9063, 0.3190, 0.3121



Tritanopia

42.1744, 0.2837, 0.3096

Trichromacy



Original Color

42.2672, 0.2910, 0.3289

Protanomaly

42.1194, 0.3058, 0.3276

Deuteranomaly

41.9143, 0.3088, 0.3182

Tritanomaly

42.2987, 0.2859, 0.3164

Monochromacy



Original Color

42.2672, 0.2910, 0.3289

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.2206, 0.3040, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2672, 0.2910, 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(153, 179, 179)` looks like.

```
.text, #text, p{  
    color:rgb(153, 179, 179)  
}
```

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(153, 179, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 179, 179) }
```

Border

The CSS property to change the border of an element to Yxy 42.2672, 0.2910, 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(153, 179, 179) }
```

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

```
.border{ border-color:rgb(153, 179, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 179, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 179, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 179, 179);  
box-shadow:4px 4px 4px 4px rgb(153, 179,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2672, 0.2910, 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(153, 179, 179) }
```

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

```
.background{ background-color: rgb(153,  
179, 179) }
```

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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