

Converting Colors

$Y_{xy}(47.1719, 0.2963, 0.3357)$

Have a look what the booklet for
Yxy(47.1719, 0.2963, 0.3357)
contains.

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Color

Yxy(47.1719, 0.2963, 0.3357)

Conversions

Conversions Part 1

Format	Color
Hex	A3BCB7
RGB	163, 188, 183
RGB Percent	64%, 74%, 72%
CMY	0.3608, 0.2627, 0.2823
CMYK	0.13, 0.00, 0.03, 0.26
HSL	168°, 16%, 69%
HSV	168°, 13%, 74%
XYZ	41.6355, 47.1719, 51.7106
YIQ	179.9550, -13.2950, -6.8550

Conversions

Conversions Part 2

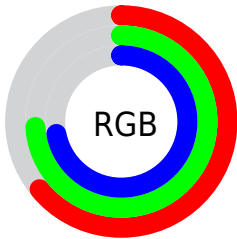
Format	Color
RYB	163, 177, 188
Decimal	10730679
CIELab	74.30, -9.49, -0.35
CIELCh	74, 9.496, 182.120
Yxy	47.1719, 0.2963, 0.3357
Android (android.graphics.Color)	4288920759 (0xFFA3BCB7)
YUV	179.9550, 1.5012, -14.8695
Hunter-Lab	68.6818, -11.9849, 3.4377

Details

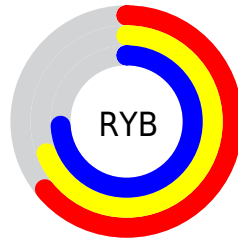
The Yxy color **47.1719, 0.2963, 0.3357** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.7158, 0.3321, 0.3224**, and the grayscale version is **45.6150, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8388, 0.2992, 0.3342**, and **22.3192, 0.2917, 0.3383** is the 20% darker color. If you saturate the color by 10%, you get **45.1800, 0.2847, 0.3413**, and if you desaturate by 10%, it is **49.4670, 0.3086, 0.3306**.

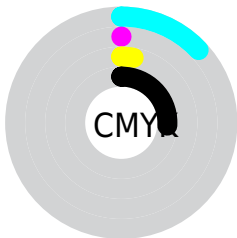
Distribution



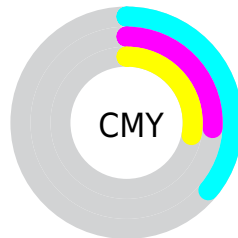
- Red (64%)
- Green (74%)
- Blue (72%)



- Red (64%)
- Yellow (69%)
- Blue (74%)



- Cyan (13%)
- Magenta (0%)
- Yellow (3%)
- Black (26%)





- Cyan (36%)
- Magenta (26%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1719, 0.2963, 0.3357 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 47.1719, 0.2963, 0.3357 by changing the saturation by 10% instead.


 47.1719, 0.2963,
0.3357


 47.1719, 0.2963,
0.3357

375.5003, 0.3045,
0.3324

 33.1716, 0.2943,
0.3365


 85.9702, 0.2993,
0.3345

 22.2579, 0.2916,
0.3376


 111.5369, 0.3004,
0.3340

 14.0465, 0.2882,
0.3390


141.7278, 0.3013,
0.3337

 8.1530, 0.2833,
0.3409

176.9275, 0.3021,
0.3333

 4.1930, 0.2761,
0.3438

217.5201, 0.3028,
0.3330

 1.7821, 0.2642,
0.3486

263.8902, 0.3035,

 0.4760, 0.1781,

0.3328

0.3840

316.4221, 0.3040,
0.3326

0.0000, 0.0000,
0.0000

47.1719, 0.2963,
0.3357

47.1719, 0.2963,
0.3357

45.1800, 0.2847,
0.3413

49.4670, 0.3086,
0.3306

43.4723, 0.2740,
0.3474

52.0715, 0.3212,
0.3260

42.0368, 0.2645,
0.3538

54.9989, 0.3340,
0.3218

40.8584, 0.2565,
0.3606

58.2602, 0.3468,
0.3181

39.9205, 0.2501,
0.3677

61.4829, 0.3577,
0.3148

■ 39.2043, 0.2457,
0.3749

■ 61.6631, 0.3546,
0.3110

■ 38.6884, 0.2432,
0.3822

■ 61.8476, 0.3515,
0.3071

■ 38.3472, 0.2426,
0.3894

■ 62.0366, 0.3484,
0.3033

■ 38.1822, 0.2428,
0.3942

■ 62.2299, 0.3453,
0.2996

Harmonies

Analogous

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



47.1719, 0.3082, 0.3462



47.1719, 0.2963, 0.3357



47.1719, 0.2888, 0.3235

Triad

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



47.1719, 0.2963, 0.3357



47.1719, 0.3036, 0.3073



47.1719, 0.3385, 0.3442

Complementary

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



47.1719, 0.2963, 0.3357



39.7158, 0.3321, 0.3224

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.



47.1719, 0.3372, 0.3337



47.1719, 0.2963, 0.3357



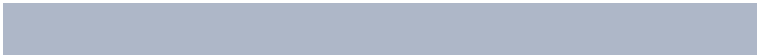
47.1719, 0.3169, 0.3127

Square

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



47.1719, 0.2963, 0.3357



47.1719, 0.2929, 0.3074



47.1719, 0.3292, 0.3223



47.1719, 0.3327, 0.3509

Rectangle

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



47.1719, 0.2963, 0.3357



47.1719, 0.2873, 0.3162



47.1719, 0.3292, 0.3223



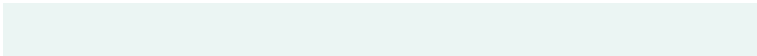
47.1719, 0.3389, 0.3410

Sweetspot

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



47.1739, 0.2963, 0.3357



89.3088, 0.3076, 0.3310



46.9835, 0.3156, 0.3631



19.1345, 0.3067, 0.3313



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



47.1739, 0.2963, 0.3357



84.3654, 0.2928, 0.3373



44.4336, 0.2925, 0.3194



10.7759, 0.3011, 0.3336



26.0063, 0.2426, 0.3933



1.0272, 0.2378, 0.3761

Inverse Universe

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



39.7158, 0.3321, 0.3224



68.1701, 0.3372, 0.3209



42.1190, 0.3354, 0.3385



9.5668, 0.3258, 0.3244



7.3815, 0.6049, 0.3106



0.2986, 0.5393, 0.2745

Previews

White Background



This preview shows how the Yxy color 47.1719, 0.2963, 0.3357 looks on a white background.

Color Contrast Check

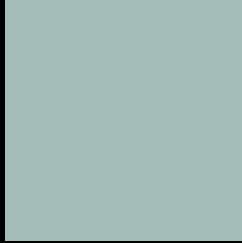
Large Text (above 18pt) WCAG AA × Fail

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 47.1719, 0.2963, 0.3357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

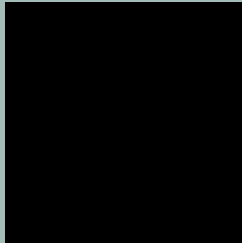
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

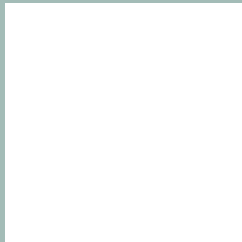
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.1719, 0.2963, 0.3357

Background



This preview shows how black text looks on a background with the Yxy color 47.1719, 0.2963, 0.3357.



This preview shows how white text looks on a background with the Yxy color 47.1719, 0.2963, 0.3357.

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

47.1719, 0.2963, 0.3357

Protanopia

47.1497, 0.3185, 0.3329

Deuteranopia

47.0892, 0.3255, 0.3191



Tritanopia

46.9750, 0.2864, 0.3093

Trichromacy



Original Color

47.1719, 0.2963, 0.3357

Protanomaly

47.0412, 0.3108, 0.3343

Deuteranomaly

46.9475, 0.3146, 0.3251

Tritanomaly

47.0122, 0.2899, 0.3183

Monochromacy



Original Color

47.1719, 0.2963, 0.3357

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.2018, 0.3067, 0.3316

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1719, 0.2963, 0.3357 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(163, 188, 183)` looks like.

```
.text, #text, p{  
    color:rgb(163, 188, 183)  
}
```

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(163, 188, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 188, 183) }
```

Border

The CSS property to change the border of an element to Yxy 47.1719, 0.2963, 0.3357 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(163, 188, 183) }
```

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

```
.border{ border-color:rgb(163, 188, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 188, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 188, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 188, 183);  
box-shadow:4px 4px 4px 4px rgb(163, 188,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1719, 0.2963, 0.3357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 188, 183) }
```

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

```
.background{ background-color: rgb(163,  
188, 183) }
```

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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