

Converting Colors

$Yxy(47.7140, 0.2994, 0.3309)$

Have a look what the booklet for
Yxy(47.7140, 0.2994, 0.3309)
contains.

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Color

Yxy(47.6319, 0.2996, 0.3303)

Conversions

Conversions Part 1

Format	Color
Hex	AABBBA
RGB	170, 187, 186
RGB Percent	67%, 73%, 73%
CMY	0.3335, 0.2666, 0.2706
CMYK	0.09, 0.00, 0.01, 0.27
HSL	176°, 11%, 70%
HSV	176°, 9%, 73%
XYZ	43.2047, 47.6319, 53.3714
YIQ	181.8030, -9.8110, -3.9150

Conversions

Conversions Part 2

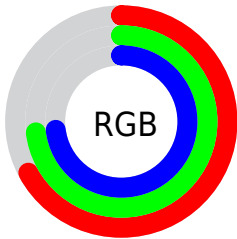
Format	Color
RYB	170, 179, 187
Decimal	11189178
CIELab	74.59, -6.04, -1.50
CIELCh	75, 6.222, 193.948
Yxy	47.6319, 0.2996, 0.3303
Android (android.graphics.Color)	4289379258 (0xFFAABBBA)
YUV	181.8030, 2.0691, -10.3512
Hunter-Lab	69.0159, -9.0347, 2.4609

Details

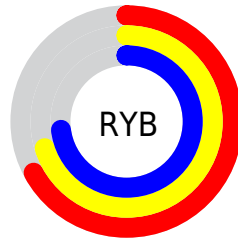
The Yxy color **47.6319, 0.2996, 0.3303** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.2416, 0.3275, 0.3277**, and the grayscale version is **46.6568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5195, 0.3018, 0.3300**, and **22.5952, 0.2961, 0.3308** is the 20% darker color. If you saturate the color by 10%, you get **45.6493, 0.2859, 0.3319**, and if you desaturate by 10%, it is **49.9154, 0.3140, 0.3289**.

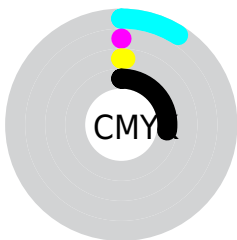
Distribution



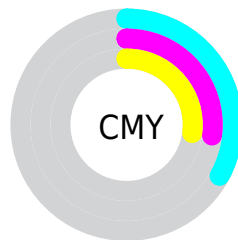
- Red (67%)
- Green (73%)
- Blue (73%)



- Red (67%)
- Yellow (70%)
- Blue (73%)



- Cyan (9%)
- Magenta (0%)
- Yellow (1%)
- Black (27%)



- Cyan (33%)
- Magenta (27%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.6319, 0.2996, 0.3303 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 47.6319, 0.2996, 0.3303 by changing the saturation by 10% instead.

■ 47.6319, 0.2996,
0.3303

■ 47.6319, 0.2996,
0.3303

377.3312, 0.3061,
0.3297

■ 33.5355, 0.2980,
0.3304

■ 86.6561, 0.3020,
0.3301

■ 22.5370, 0.2959,
0.3306

112.3526, 0.3029,
0.3300

■ 14.2520, 0.2932,
0.3309

142.6847, 0.3036,
0.3299

■ 8.2961, 0.2893,
0.3312

178.0366, 0.3043,
0.3299

■ 4.2850, 0.2836,
0.3316

218.7929, 0.3048,
0.3298

■ 1.8342, 0.2743,
0.3322

265.3378, 0.3053,

■ 0.5084, 0.2235,

0.3298

0.3383

318.0558, 0.3057,
0.3297

0.0000, 0.0000,
0.0000

47.6319, 0.2996,
0.3303

47.6319, 0.2996,
0.3303

45.6493, 0.2859,
0.3319

49.9154, 0.3140,
0.3289

43.9490, 0.2733,
0.3335

52.5054, 0.3289,
0.3276

42.5198, 0.2619,
0.3353

55.4150, 0.3439,
0.3265

41.3473, 0.2520,
0.3372

58.6548, 0.3589,
0.3254

40.4156, 0.2440,
0.3391

60.5928, 0.3666,
0.3244

■ 39.7073, 0.2377,
0.3411

■ 60.6420, 0.3657,
0.3233

■ 39.2026, 0.2334,
0.3431

■ 60.6917, 0.3648,
0.3221

■ 38.8782, 0.2309,
0.3450

■ 60.7417, 0.3638,
0.3210

■ 38.6922, 0.2298,
0.3470

■ 60.7921, 0.3629,
0.3198

Harmonies

Analogous

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



47.6319, 0.3065, 0.3378



47.6319, 0.2996, 0.3303



47.6319, 0.2962, 0.3226

Triad

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



47.6319, 0.2996, 0.3303



47.6319, 0.3101, 0.3157



47.6319, 0.3285, 0.3411

Complementary

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



47.6319, 0.2996, 0.3303



42.2416, 0.3275, 0.3277

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.



47.6319, 0.3295, 0.3351



47.6319, 0.2996, 0.3303



47.6319, 0.3188, 0.3205

Square

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



47.6319, 0.2996, 0.3303



47.6319, 0.3022, 0.3143



47.6319, 0.3260, 0.3275



47.6319, 0.3232, 0.3440

Rectangle

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



47.6319, 0.2996, 0.3303



47.6319, 0.2963, 0.3184



47.6319, 0.3260, 0.3275



47.6319, 0.3294, 0.3394

Sweetspot

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



47.6339, 0.2996, 0.3303



87.7123, 0.3083, 0.3294



47.1168, 0.3126, 0.3520



19.2423, 0.3071, 0.3295



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.



47.6339, 0.2996, 0.3303



84.5227, 0.2967, 0.3306



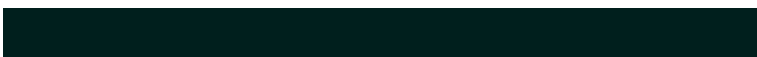
44.6219, 0.2988, 0.3191



10.7995, 0.2993, 0.3303



26.6486, 0.2297, 0.3469



1.0468, 0.2284, 0.3422

Inverse Universe

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



42.2416, 0.3275, 0.3277



72.8492, 0.3313, 0.3274



45.0510, 0.3274, 0.3387



9.5453, 0.3279, 0.3277



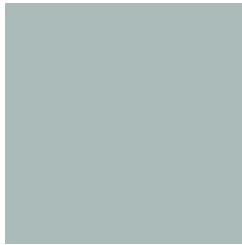
7.2998, 0.6326, 0.3258



0.2891, 0.6051, 0.3107

Previews

White Background



This preview shows how the Yxy color 47.6319, 0.2996, 0.3303 looks on a white background.

Color Contrast Check

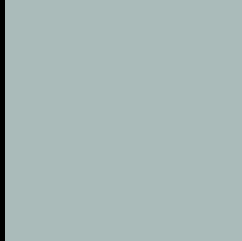
Large Text (above 18pt) WCAG AA × Fail

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 47.6319, 0.2996, 0.3303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

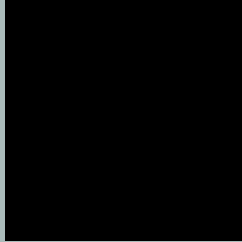
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

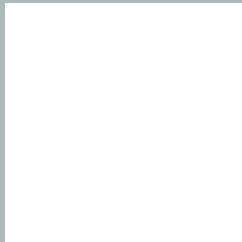
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.6319, 0.2996, 0.3303

Background



This preview shows how black text looks on a background with the Yxy color 47.6319, 0.2996, 0.3303.

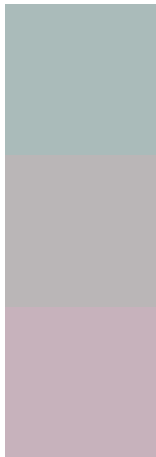


This preview shows how white text looks on a background with the Yxy color 47.6319, 0.2996, 0.3303.

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

47.6319, 0.2996, 0.3303

Protanopia

47.3139, 0.3153, 0.3277

Deuteranopia

47.6137, 0.3229, 0.3166



Tritanopia

47.6387, 0.2910, 0.3095

Trichromacy



Original Color

47.6319, 0.2996, 0.3303

Protanomaly

47.4450, 0.3094, 0.3290

Deuteranomaly

47.3270, 0.3139, 0.3214

Tritanomaly

47.7159, 0.2939, 0.3172

Monochromacy



Original Color

47.6319, 0.2996, 0.3303

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.1649, 0.3085, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6319, 0.2996, 0.3303 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(170, 187, 186)` looks like.

```
.text, #text, p{  
    color:rgb(170, 187, 186)  
}
```

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(170, 187, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 187, 186) }
```

Border

The CSS property to change the border of an element to Yxy 47.6319, 0.2996, 0.3303 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(170, 187, 186) }
```

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

```
.border{ border-color:rgb(170, 187, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 187, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 187, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 187, 186); box-shadow:4px 4px 4px 4px rgb(170, 187, 186) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6319, 0.2996, 0.3303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 187, 186) }
```

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

```
.background{ background-color: rgb(170,  
187, 186) }
```

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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