

Converting Colors

$Y_{xy}(47.2253, 0.2875, 0.3347)$

Have a look what the booklet for
Yxy(47.2253, 0.2875, 0.3347)
contains.

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Color

Yxy(47.2421, 0.2874, 0.3344)

Conversions

Conversions Part 1

Format	Color
Hex	9ABEBA
RGB	154, 190, 186
RGB Percent	60%, 75%, 73%
CMY	0.3961, 0.2549, 0.2706
CMYK	0.19, 0.00, 0.02, 0.25
HSL	173°, 22%, 67%
HSV	173°, 19%, 75%
XYZ	40.6022, 47.2421, 53.4299
YIQ	178.7800, -20.1720, -8.8760

Conversions

Conversions Part 2

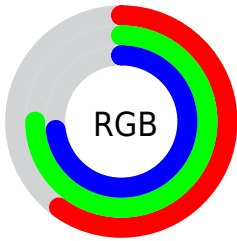
Format	Color
RYB	154, 173, 190
Decimal	10141370
CIELab	74.34, -12.85, -1.98
CIELCh	74, 13.002, 188.780
Yxy	47.2421, 0.2874, 0.3344
Android (android.graphics.Color)	4288331450 (0xFF9ABEBA)
YUV	178.7800, 3.5595, -21.7321
Hunter-Lab	68.7329, -14.8382, 2.0236

Details

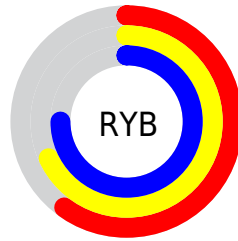
The Yxy color **47.2421, 0.2874, 0.3344** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.5283, 0.3453, 0.3237**, and the grayscale version is **44.9456, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8776, 0.2920, 0.3332**, and **22.4096, 0.2802, 0.3365** is the 20% darker color. If you saturate the color by 10%, you get **45.4355, 0.2753, 0.3376**, and if you desaturate by 10%, it is **49.3490, 0.3005, 0.3314**.

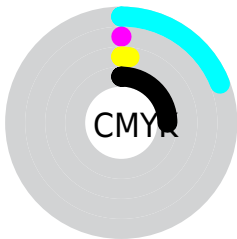
Distribution



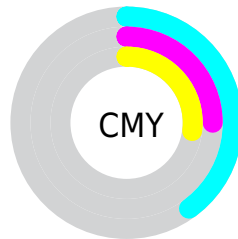
- Red (60%)
- Green (75%)
- Blue (73%)



- Red (60%)
- Yellow (68%)
- Blue (75%)



- Cyan (19%)
- Magenta (0%)
- Yellow (2%)
- Black (25%)



- Cyan (40%)
- Magenta (25%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.2421, 0.2874, 0.3344 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 47.2421, 0.2874, 0.3344 by changing the saturation by 10% instead.

■ 47.2421, 0.2874,
0.3344

■ 47.2421, 0.2874,
0.3344

375.7801, 0.3000,
0.3318

■ 33.2271, 0.2843,
0.3350

■ 86.0749, 0.2920,
0.3335

■ 22.3005, 0.2803,
0.3358

■ 111.6615, 0.2937,
0.3331

■ 14.0778, 0.2750,
0.3368

141.8740, 0.2951,
0.3328

■ 8.1748, 0.2677,
0.3382

177.0969, 0.2964,
0.3326

■ 4.2070, 0.2568,
0.3402

217.7146, 0.2974,
0.3323

■ 1.7900, 0.2391,
0.3431

264.1114, 0.2984,

■ 0.4809, 0.1115,

0.3321

0.3738

316.6718, 0.2992,
0.3320

0.0000, 0.0000,
0.0000

47.2421, 0.2874,
0.3344

47.2421, 0.2874,
0.3344

45.4355, 0.2753,
0.3376

49.3490, 0.3005,
0.3314

43.9096, 0.2643,
0.3410

51.7633, 0.3142,
0.3287

42.6513, 0.2549,
0.3446

54.4992, 0.3283,
0.3263

41.6442, 0.2471,
0.3484

57.5681, 0.3425,
0.3241

40.8703, 0.2412,
0.3522

60.9810, 0.3567,
0.3222

■ 40.3088, 0.2372,
0.3560

■ 62.1981, 0.3599,
0.3201

■ 39.9357, 0.2351,
0.3598

■ 62.2968, 0.3581,
0.3179

■ 39.7090, 0.2345,
0.3636

■ 62.3970, 0.3564,
0.3158

■ 39.6878, 0.2345,
0.3640

■ 62.4985, 0.3546,
0.3136

Harmonies

Analogous

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



47.2421, 0.3025, 0.3500



47.2421, 0.2874, 0.3344



47.2421, 0.2791, 0.3178

Triad

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



47.2421, 0.2874, 0.3344



47.2421, 0.3040, 0.3006



47.2421, 0.3470, 0.3522

Complementary

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



47.2421, 0.2874, 0.3344



36.5283, 0.3453, 0.3237

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.



47.2421, 0.3476, 0.3386



47.2421, 0.2874, 0.3344



47.2421, 0.3224, 0.3094

Square

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



47.2421, 0.2874, 0.3344



47.2421, 0.2884, 0.2988



47.2421, 0.3385, 0.3231



47.2421, 0.3371, 0.3601

Rectangle

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



47.2421, 0.2874, 0.3344



47.2421, 0.2783, 0.3085



47.2421, 0.3385, 0.3231



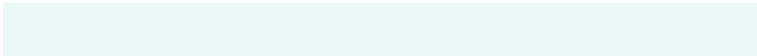
47.2421, 0.3484, 0.3481

Sweetspot

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



47.2440, 0.2874, 0.3344



90.6122, 0.3043, 0.3306



46.4516, 0.3137, 0.3796



19.8362, 0.3034, 0.3308



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



47.2440, 0.2874, 0.3344



84.0940, 0.2819, 0.3358



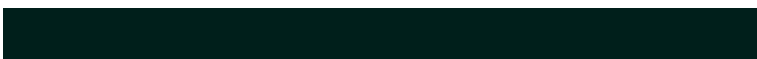
41.7185, 0.2836, 0.3098



10.7907, 0.2999, 0.3316



26.3960, 0.2343, 0.3635



1.0392, 0.2318, 0.3544

Inverse Universe

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



36.5283, 0.3453, 0.3237



60.8859, 0.3550, 0.3224



41.2133, 0.3460, 0.3475



9.5532, 0.3271, 0.3265



7.3216, 0.6249, 0.3216



0.2926, 0.5784, 0.2960

Previews

White Background



This preview shows how the Yxy color 47.2421, 0.2874, 0.3344 looks on a white background.

Color Contrast Check

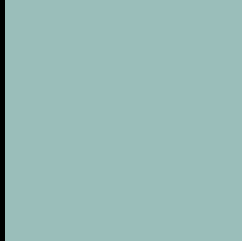
Large Text (above 18pt) WCAG AA × Fail

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 47.2421, 0.2874, 0.3344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

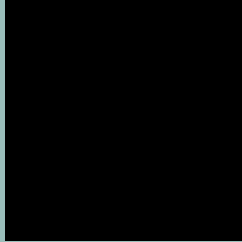
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

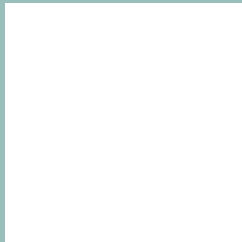
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.2421, 0.2874, 0.3344

Background



This preview shows how black text looks on a background with the Yxy color 47.2421, 0.2874, 0.3344.



This preview shows how white text looks on a background with the Yxy color 47.2421, 0.2874, 0.3344.

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

47.2421, 0.2874, 0.3344

Protanopia

47.2312, 0.3169, 0.3303

Deuteranopia

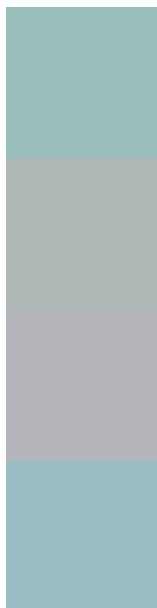
46.9887, 0.3204, 0.3141



Tritanopia

46.9730, 0.2785, 0.3090

Trichromacy



Original Color

47.2421, 0.2874, 0.3344

Protanomaly

47.1155, 0.3051, 0.3316

Deuteranomaly

46.9105, 0.3072, 0.3212

Tritanomaly

47.0199, 0.2819, 0.3182

Monochromacy



Original Color

47.2421, 0.2874, 0.3344

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.7904, 0.3026, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2421, 0.2874, 0.3344 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(154, 190, 186)` looks like.

```
.text, #text, p{  
    color:rgb(154, 190, 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(154, 190, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 190, 186) }
```

Border

The CSS property to change the border of an element to Yxy 47.2421, 0.2874, 0.3344 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(154, 190, 186) }
```

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

```
.border{ border-color:rgb(154, 190, 186) }
```

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

Here you see how a box with a 4 pixel rgb(154, 190, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 190, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 190, 186);  
box-shadow:4px 4px 4px 4px rgb(154, 190,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2421, 0.2874, 0.3344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 190, 186) }
```

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

```
.background{ background-color: rgb(154,  
190, 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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