

Converting Colors

$Y_{xy}(40.7743, 0.2939, 0.3337)$

Have a look what the booklet for
Yxy(40.7743, 0.2939, 0.3337)
contains.

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Color

Yxy(40.6471, 0.2938, 0.3333)

Conversions

Conversions Part 1

Format	Color
Hex	97B0AD
RGB	151, 176, 173
RGB Percent	59%, 69%, 68%
CMY	0.4078, 0.3098, 0.3217
CMYK	0.14, 0.00, 0.02, 0.31
HSL	173°, 14%, 64%
HSV	173°, 14%, 69%
XYZ	35.8299, 40.6471, 45.4765
YIQ	168.1830, -13.9370, -6.2330

Conversions

Conversions Part 2

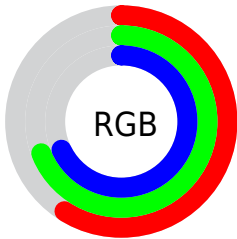
Format	Color
RYB	151, 164, 176
Decimal	9941165
CIELab	69.93, -9.19, -1.35
CIElCh	70, 9.285, 188.345
Yxy	40.6471, 0.2938, 0.3333
Android (android.graphics.Color)	4288131245 (0xFF97B0AD)
YUV	168.1830, 2.3748, -15.0695
Hunter-Lab	63.7551, -11.2556, 2.3370

Details

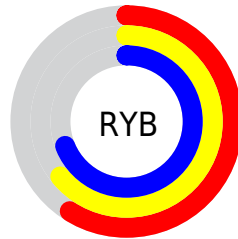
The Yxy color **40.6471, 0.2938, 0.3333** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.7030, 0.3354, 0.3248**, and the grayscale version is **39.2467, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2938, 0.2973, 0.3334**, and **18.2557, 0.2880, 0.3330** is the 20% darker color. If you saturate the color by 10%, you get **39.0064, 0.2814, 0.3367**, and if you desaturate by 10%, it is **42.5440, 0.3070, 0.3302**.

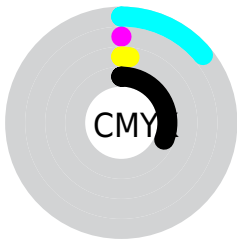
Distribution



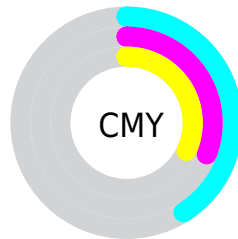
- Red (59%)
- Green (69%)
- Blue (68%)



- Red (59%)
- Yellow (64%)
- Blue (69%)



- Cyan (14%)
- Magenta (0%)
- Yellow (2%)
- Black (31%)



- Cyan (41%)
- Magenta (31%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.6471, 0.2938, 0.3333 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 40.6471, 0.2938, 0.3333 by changing the saturation by 10% instead.

■ 40.6471, 0.2938,
0.3333

■ 40.6471, 0.2938,
0.3333

348.8435, 0.3035,
0.3312

■ 28.0434, 0.2913,
0.3338

■ 76.1479, 0.2974,
0.3325

■ 18.3584, 0.2881,
0.3345

■ 99.8138, 0.2987,
0.3322

■ 11.2076, 0.2838,
0.3355

127.9359, 0.2998,
0.3320

■ 6.2067, 0.2775,
0.3367

160.8987, 0.3007,
0.3318

■ 2.9711, 0.2680,
0.3387

199.0864, 0.3016,
0.3316

■ 1.1167, 0.2512,
0.3419

242.8835, 0.3023,

■ 0.0000, 0.0000,

0.3314

0.0000

292.6744, 0.3029,
0.3313

■ 40.6471, 0.2938,
0.3333

■ 40.6471, 0.2938,
0.3333

■ 39.0064, 0.2814,
0.3367

■ 42.5440, 0.3070,
0.3302

■ 37.6056, 0.2700,
0.3403

■ 44.7023, 0.3207,
0.3274

■ 36.4345, 0.2599,
0.3441

■ 47.1335, 0.3347,
0.3249

■ 35.4801, 0.2514,
0.3481

■ 49.8471, 0.3487,
0.3227

■ 34.7281, 0.2447,
0.3522

■ 52.8519, 0.3625,
0.3207

■ 34.1627, 0.2398,
0.3564

■ 55.8485, 0.3746,
0.3189

■ 33.7654, 0.2368,
0.3606

■ 55.9399, 0.3727,
0.3167

■ 33.5141, 0.2356,
0.3647

■ 56.0327, 0.3708,
0.3145

■ 33.4065, 0.2353,
0.3672

■ 56.1269, 0.3689,
0.3122

Harmonies

Analogous

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



40.6471, 0.3053, 0.3448



40.6471, 0.2938, 0.3333



40.6471, 0.2874, 0.3209

Triad

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



40.6471, 0.2938, 0.3333



40.6471, 0.3060, 0.3074



40.6471, 0.3385, 0.3464

Complementary

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



40.6471, 0.2938, 0.3333



33.7030, 0.3354, 0.3248

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.



40.6471, 0.3388, 0.3362



40.6471, 0.2938, 0.3333



40.6471, 0.3198, 0.3140

Square

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



40.6471, 0.2938, 0.3333



40.6471, 0.2943, 0.3063



40.6471, 0.3319, 0.3244



40.6471, 0.3312, 0.3523

Rectangle

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



40.6471, 0.2938, 0.3333



40.6471, 0.2867, 0.3139



40.6471, 0.3319, 0.3244



40.6471, 0.3394, 0.3434

Sweetspot

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



40.6488, 0.2938, 0.3333



77.2042, 0.3072, 0.3302



40.1910, 0.3139, 0.3656



16.6727, 0.3062, 0.3304



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



40.6488, 0.2938, 0.3333



72.7488, 0.2899, 0.3343



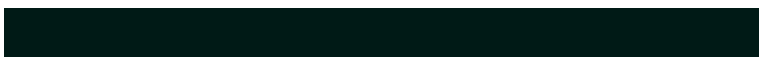
37.2946, 0.2911, 0.3157



9.6134, 0.3002, 0.3318



24.5156, 0.2352, 0.3667



0.7763, 0.2320, 0.3551

Inverse Universe

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



33.7030, 0.3354, 0.3248



57.7279, 0.3414, 0.3238



36.6684, 0.3366, 0.3420



8.5215, 0.3269, 0.3263



6.8179, 0.6226, 0.3203



0.2199, 0.5671, 0.2897

Previews

White Background



This preview shows how the Yxy color 40.6471, 0.2938, 0.3333 looks on a white background.

Color Contrast Check

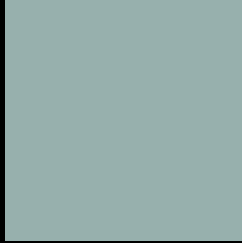
Large Text (above 18pt) WCAG AA × Fail

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 40.6471, 0.2938, 0.3333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

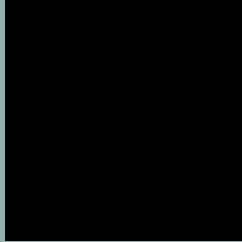
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

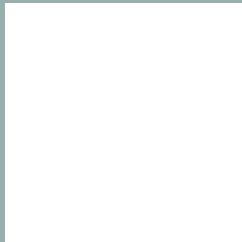
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.6471, 0.2938, 0.3333

Background



This preview shows how black text looks on a background with the Yxy color 40.6471, 0.2938, 0.3333.

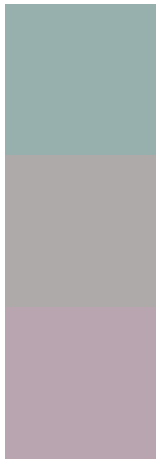


This preview shows how white text looks on a background with the Yxy color 40.6471, 0.2938, 0.3333.

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

40.6471, 0.2938, 0.3333

Protanopia

40.6127, 0.3172, 0.3304

Deuteranopia

40.3197, 0.3227, 0.3158



Tritanopia

40.7730, 0.2849, 0.3094

Trichromacy



Original Color

40.6471, 0.2938, 0.3333

Protanomaly

40.5143, 0.3090, 0.3318

Deuteranomaly

40.3162, 0.3121, 0.3222

Tritanomaly

40.8511, 0.2878, 0.3177

Monochromacy



Original Color

40.6471, 0.2938, 0.3333

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.7095, 0.3055, 0.3304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6471, 0.2938, 0.3333 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(151, 176, 173)` looks like.

```
.text, #text, p{  
    color:rgb(151, 176, 173)  
}
```

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(151, 176, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 176, 173) }
```

Border

The CSS property to change the border of an element to Yxy 40.6471, 0.2938, 0.3333 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(151, 176, 173) }
```

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

```
.border{ border-color:rgb(151, 176, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 176, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 176, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 176, 173);  
box-shadow:4px 4px 4px 4px rgb(151, 176,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6471, 0.2938, 0.3333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 176, 173) }
```

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

```
.background{ background-color: rgb(151,  
176, 173) }
```

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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