

Converting Colors

$Y_{xy}(40.7188, 0.2737, 0.3367)$

Have a look what the booklet for
Yxy(40.7188, 0.2737, 0.3367)
contains.

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Color

Yxy(40.6944, 0.2737, 0.3363)

Conversions

Conversions Part 1

Format	Color
Hex	7FB5B0
RGB	127, 181, 176
RGB Percent	50%, 71%, 69%
CMY	0.5018, 0.2902, 0.3097
CMYK	0.30, 0.00, 0.03, 0.29
HSL	174°, 27%, 60%
HSV	174°, 30%, 71%
XYZ	33.1194, 40.6944, 47.1924
YIQ	164.2840, -30.5790, -13.0030

Conversions

Conversions Part 2

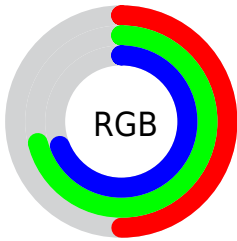
Format	Color
RYB	127, 155, 181
Decimal	8369584
CIELab	69.96, -18.68, -3.15
CIELCh	70, 18.941, 189.565
Yxy	40.6944, 0.2737, 0.3363
Android (android.graphics.Color)	4286559664 (0xFF7FB5B0)
YUV	164.2840, 5.7760, -32.6981
Hunter-Lab	63.7922, -18.9632, 0.7927

Details

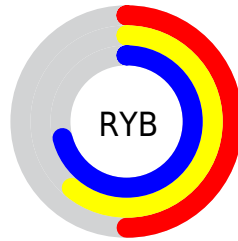
The Yxy color **40.6944, 0.2737, 0.3363** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **26.6812, 0.3719, 0.3220**, and the grayscale version is **37.2555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2183, 0.2805, 0.3346**, and **18.3894, 0.2616, 0.3373** is the 20% darker color. If you saturate the color by 10%, you get **39.3626, 0.2627, 0.3391**, and if you desaturate by 10%, it is **42.2800, 0.2859, 0.3337**.

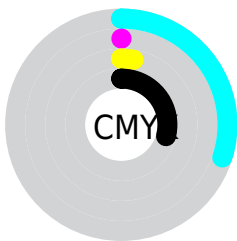
Distribution



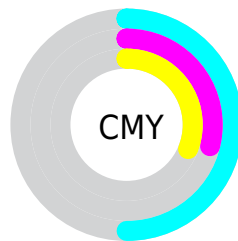
- Red (50%)
- Green (71%)
- Blue (69%)



- Red (50%)
- Yellow (61%)
- Blue (71%)



- Cyan (30%)
- Magenta (0%)
- Yellow (3%)
- Black (29%)




- Cyan (50%)
- Magenta (29%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6944, 0.2737, 0.3363 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 40.6944, 0.2737, 0.3363 by changing the saturation by 10% instead.

 40.6944, 0.2737,
0.3363


 40.6944, 0.2737,
0.3363

349.0417, 0.2935,
0.3328

 28.0804, 0.2687,
0.3371


 76.2198, 0.2810,
0.3350

 18.3863, 0.2622,
0.3382


 99.8999, 0.2837,
0.3346

 11.2277, 0.2534,
0.3395


 128.0375, 0.2859,
0.3342

 6.2202, 0.2410,
0.3413

161.0170, 0.2879,
0.3338

 2.9794, 0.2222,
0.3437

199.2228, 0.2896,
0.3335

 1.1210, 0.1845,
0.3492

243.0392, 0.2911,

 0.0000, 0.0000,

0.3332

0.0000

292.8508, 0.2923,
0.3330

■ 40.6944, 0.2737,
0.3363

■ 40.6944, 0.2737,
0.3363

■ 39.3626, 0.2627,
0.3391

■ 42.2800, 0.2859,
0.3337

■ 38.2662, 0.2533,
0.3421

■ 44.1268, 0.2991,
0.3312

■ 37.3924, 0.2455,
0.3451

■ 46.2480, 0.3130,
0.3290

■ 36.7248, 0.2396,
0.3482

■ 48.6544, 0.3273,
0.3269

■ 36.2449, 0.2356,
0.3514

■ 51.3564, 0.3418,
0.3251

■ 35.9312, 0.2335,
0.3545

■ 54.3637, 0.3562,
0.3235

■ 35.7396, 0.2327,
0.3576

■ 57.6856, 0.3705,
0.3221

■ 35.7361, 0.2327,
0.3576

■ 57.9951, 0.3701,
0.3204

■ 58.0682, 0.3686,
0.3187

Harmonies

Analogous

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



40.6944, 0.2962, 0.3610



40.6944, 0.2737, 0.3363



40.6944, 0.2617, 0.3106

Triad

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



40.6944, 0.2737, 0.3363



40.6944, 0.2998, 0.2866



40.6944, 0.3651, 0.3643

Complementary

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



40.6944, 0.2737, 0.3363



26.6812, 0.3719, 0.3220

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.



40.6944, 0.3666, 0.3435



40.6944, 0.2737, 0.3363



40.6944, 0.3280, 0.2999

Square

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



40.6944, 0.2737, 0.3363



40.6944, 0.2762, 0.2833



40.6944, 0.3528, 0.3203



40.6944, 0.3492, 0.3769

Rectangle

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



40.6944, 0.2737, 0.3363



40.6944, 0.2608, 0.2969



40.6944, 0.3528, 0.3203



40.6944, 0.3674, 0.3580

Sweetspot

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



40.6960, 0.2737, 0.3363



79.2702, 0.3000, 0.3311



39.5199, 0.3132, 0.4134



17.0230, 0.2980, 0.3314



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.



40.6960, 0.2737, 0.3363



71.2212, 0.2661, 0.3382



32.7913, 0.2668, 0.2958



9.6178, 0.2998, 0.3311



24.6434, 0.2326, 0.3572



0.7793, 0.2302, 0.3486

Inverse Universe

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



26.6812, 0.3719, 0.3220



41.9191, 0.3915, 0.3204



32.7336, 0.3692, 0.3599



8.5176, 0.3273, 0.3269



6.8043, 0.6277, 0.3231



0.2182, 0.5826, 0.2983

Previews

White Background



This preview shows how the Yxy color 40.6944, 0.2737, 0.3363 looks on a white background.

Color Contrast Check

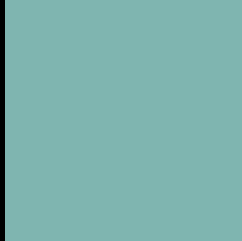
Large Text (above 18pt) WCAG AA × Fail

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 40.6944, 0.2737, 0.3363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

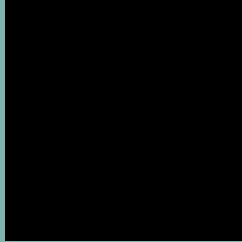
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.6944, 0.2737, 0.3363

Background



This preview shows how black text looks on a background with the Yxy color 40.6944, 0.2737, 0.3363.

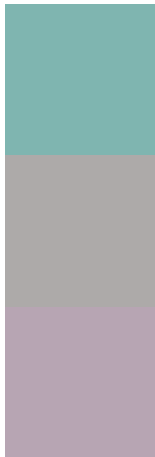


This preview shows how white text looks on a background with the Yxy color 40.6944, 0.2737, 0.3363.

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

40.6944, 0.2737, 0.3363

Protanopia

40.4983, 0.3163, 0.3304

Deuteranopia

40.2322, 0.3173, 0.3104



Tritanopia

40.5163, 0.2647, 0.3073

Trichromacy



Original Color

40.6944, 0.2737, 0.3363

Protanomaly

40.3186, 0.2987, 0.3318

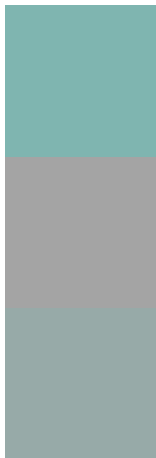
Deuteranomaly

40.1267, 0.2999, 0.3192

Tritanomaly

40.5739, 0.2681, 0.3172

Monochromacy



Original Color

40.6944, 0.2737, 0.3363

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

38.1559, 0.2975, 0.3319

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6944, 0.2737, 0.3363 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(127, 181, 176)` looks like.

```
.text, #text, p{  
    color:rgb(127, 181, 176)  
}
```

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(127, 181, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 181, 176) }
```

Border

The CSS property to change the border of an element to Yxy 40.6944, 0.2737, 0.3363 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(127, 181, 176) }
```

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

```
.border{ border-color:rgb(127, 181, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 181, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 181, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 181, 176); box-shadow:4px 4px 4px 4px rgb(127, 181, 176) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6944, 0.2737, 0.3363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 181, 176) }
```

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

```
.background{ background-color: rgb(127,  
181, 176) }
```

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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