

Converting Colors

$Yxy(40.6956, 0.2751, 0.3387)$

Have a look what the booklet for
Yxy(40.6956, 0.2751, 0.3387)
contains.

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Color

Yxy(40.6929, 0.2757, 0.3393)

Conversions

Conversions Part 1

Format	Color
Hex	80B5AE
RGB	128, 181, 174
RGB Percent	50%, 71%, 68%
CMY	0.4981, 0.2902, 0.3175
CMYK	0.29, 0.00, 0.04, 0.29
HSL	172°, 26%, 61%
HSV	172°, 29%, 71%
XYZ	33.0652, 40.6929, 46.1738
YIQ	164.3550, -29.3410, -13.4130

Conversions

Conversions Part 2

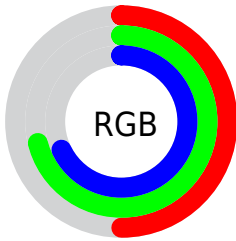
Format	Color
R_{YB}	128, 156, 181
Decimal	8435118
CIE _{Lab}	69.96, -18.87, -2.05
CIE _{LCh}	70, 18.976, 186.208
Yxy	40.6929, 0.2757, 0.3393
Android (android.graphics.Color)	4286625198 (0xFF80B5AE)
YUV	164.3550, 4.7550, -31.8833
Hunter-Lab	63.7910, -19.1111, 1.7378

Details

The Yxy color **40.6929, 0.2757, 0.3393** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **27.0031, 0.3680, 0.3191**, and the grayscale version is **37.2886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1706, 0.2827, 0.3380**, and **18.3800, 0.2642, 0.3416** is the 20% darker color. If you saturate the color by 10%, you get **39.3223, 0.2650, 0.3434**, and if you desaturate by 10%, it is **42.3188, 0.2875, 0.3355**.

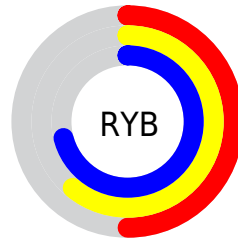
Distribution



Red (50%)

Green (71%)

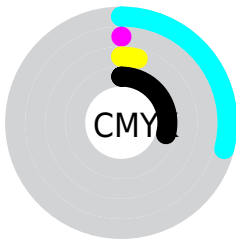
Blue (68%)



Red (50%)

Yellow (61%)

Blue (71%)

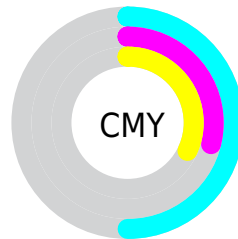


Cyan (29%)

Magenta (0%)

Yellow (4%)

Black (29%)



Cyan (50%)

Magenta (29%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6929, 0.2757, 0.3393 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 40.6929, 0.2757, 0.3393 by changing the saturation by 10% instead.


 40.6929, 0.2757,
0.3393


 40.6929, 0.2757,
0.3393


349.0355, 0.2945,
0.3342

 28.0792, 0.2709,
0.3406

 76.2175, 0.2826,
0.3374

 18.3854, 0.2647,
0.3422


 99.8972, 0.2852,
0.3367

 11.2270, 0.2563,
0.3443


 128.0343, 0.2873,
0.3362

 6.2197, 0.2445,
0.3473

161.0133, 0.2892,
0.3357

 2.9792, 0.2264,
0.3516

199.2185, 0.2908,
0.3352

 1.1209, 0.1892,
0.3610

243.0343, 0.2922,

 0.0000, 0.0000,

0.3348

0.0000

292.8452, 0.2934,
0.3345

■ 40.6929, 0.2757,
0.3393

■ 40.6929, 0.2757,
0.3393

■ 39.3223, 0.2650,
0.3434

■ 42.3188, 0.2875,
0.3355

■ 38.1887, 0.2558,
0.3476

■ 44.2074, 0.3003,
0.3320

■ 37.2792, 0.2483,
0.3521

■ 46.3719, 0.3137,
0.3288

■ 36.5777, 0.2426,
0.3566

■ 48.8230, 0.3274,
0.3259

■ 36.0658, 0.2387,
0.3612

■ 51.5711, 0.3413,
0.3233

■ 35.7221, 0.2368,
0.3657

■ 54.6259, 0.3551,
0.3210

■ 35.5058, 0.2363,
0.3703

■ 57.9966, 0.3687,
0.3190

■ 35.4919, 0.2363,
0.3706

■ 58.1634, 0.3668,
0.3166

■ 58.2705, 0.3648,
0.3141

Harmonies

Analogous

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



40.6929, 0.2991, 0.3634



40.6929, 0.2757, 0.3393



40.6929, 0.2623, 0.3132

Triad

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



40.6929, 0.2757, 0.3393



40.6929, 0.2968, 0.2856



40.6929, 0.3662, 0.3623

Complementary

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



40.6929, 0.2757, 0.3393



27.0031, 0.3680, 0.3191

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.



40.6929, 0.3659, 0.3409



40.6929, 0.2757, 0.3393



40.6929, 0.3248, 0.2979

Square

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



40.6929, 0.2757, 0.3393



40.6929, 0.2741, 0.2836



40.6929, 0.3505, 0.3177



40.6929, 0.3516, 0.3762

Rectangle

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



40.6929, 0.2757, 0.3393



40.6929, 0.2605, 0.2988



40.6929, 0.3505, 0.3177



40.6929, 0.3679, 0.3558

Sweetspot

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



40.6945, 0.2757, 0.3393



79.2230, 0.3005, 0.3319



39.7624, 0.3147, 0.4113



17.0112, 0.2986, 0.3324



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.



40.6945, 0.2757, 0.3393



71.2821, 0.2688, 0.3418



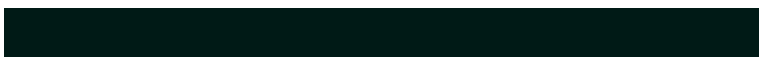
33.6094, 0.2678, 0.2992



9.6120, 0.3003, 0.3320



24.4729, 0.2361, 0.3700



0.7753, 0.2326, 0.3574

Inverse Universe

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



27.0031, 0.3680, 0.3191



42.8645, 0.3850, 0.3169



32.3798, 0.3687, 0.3569



8.5228, 0.3267, 0.3260



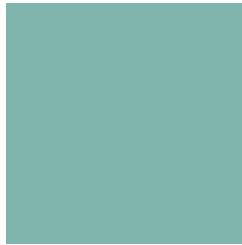
6.8232, 0.6206, 0.3193



0.2204, 0.5620, 0.2870

Previews

White Background



This preview shows how the Yxy color 40.6929, 0.2757, 0.3393 looks on a white background.

Color Contrast Check

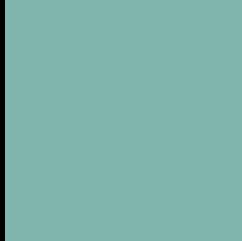
Large Text (above 18pt) WCAG AA × Fail

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 40.6929, 0.2757, 0.3393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

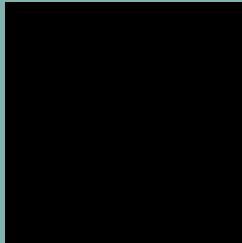
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

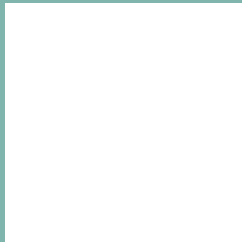
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.6929, 0.2757, 0.3393

Background



This preview shows how black text looks on a background with the Yxy color 40.6929, 0.2757, 0.3393.

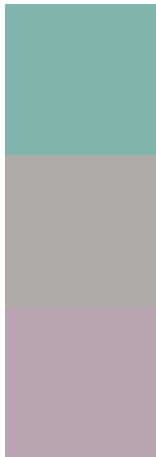


This preview shows how white text looks on a background with the Yxy color 40.6929, 0.2757, 0.3393.

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

40.6929, 0.2757, 0.3393

Protanopia

40.5381, 0.3189, 0.3331

Deuteranopia

40.2749, 0.3200, 0.3131



Tritanopia

40.5966, 0.2654, 0.3073

Trichromacy



Original Color

40.6929, 0.2757, 0.3393

Protanomaly

40.3425, 0.3011, 0.3347

Deuteranomaly

40.1529, 0.3024, 0.3220

Tritanomaly

40.6107, 0.2695, 0.3187

Monochromacy



Original Color

40.6929, 0.2757, 0.3393

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 40.6929, 0.2757, 0.3393 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(128, 181, 174)` looks like.

```
.text, #text, p{  
    color:rgb(128, 181, 174)  
}
```

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(128, 181, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 181, 174) }
```

Border

The CSS property to change the border of an element to Yxy 40.6929, 0.2757, 0.3393 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(128, 181, 174) }
```

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

```
.border{ border-color:rgb(128, 181, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 181, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 181, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 181, 174);  
box-shadow:4px 4px 4px 4px rgb(128, 181,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6929, 0.2757, 0.3393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 181, 174) }
```

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

```
.background{ background-color: rgb(128,  
181, 174) }
```

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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