

Converting Colors

$Yxy(40.0928, 0.2639, 0.3385)$

Have a look what the booklet for
Yxy(40.0928, 0.2639, 0.3385)
contains.

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Color

Yxy(40.0352, 0.2638, 0.3380)

Conversions

Conversions Part 1

Format	Color
Hex	70B6B0
RGB	112, 182, 176
RGB Percent	44%, 71%, 69%
CMY	0.5608, 0.2863, 0.3097
CMYK	0.38, 0.00, 0.03, 0.29
HSL	175°, 32%, 58%
HSV	175°, 38%, 71%
XYZ	31.2464, 40.0352, 47.1657
YIQ	160.3860, -39.7940, -16.7060

Conversions

Conversions Part 2

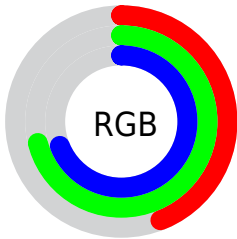
Format	Color
R_YB	112, 149, 182
Decimal	7386800
CIE Lab	69.49, -23.43, -3.92
CIE LCh	69, 23.754, 189.507
Yxy	40.0352, 0.2638, 0.3380
Android (android.graphics.Color)	4285576880 (0xFF70B6B0)
YUV	160.3860, 7.6977, -42.4345
Hunter-Lab	63.2734, -22.5794, 0.0950

Details

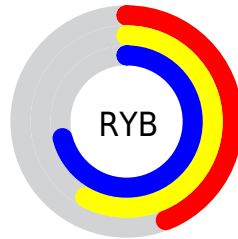
The Yxy color **40.0352, 0.2638, 0.3380** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **22.8377, 0.3980, 0.3206**, and the grayscale version is **35.3184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1908, 0.2728, 0.3358**, and **18.0553, 0.2490, 0.3397** is the 20% darker color. If you saturate the color by 10%, you get **38.9001, 0.2541, 0.3407**, and if you desaturate by 10%, it is **41.4154, 0.2750, 0.3354**.

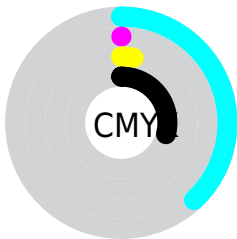
Distribution



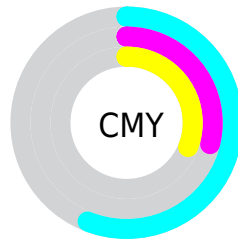
- Red (44%)
- Green (71%)
- Blue (69%)



- Red (44%)
- Yellow (58%)
- Blue (71%)



- Cyan (38%)
- Magenta (0%)
- Yellow (3%)
- Black (29%)





- Cyan (56%)
- Magenta (29%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0352, 0.2638, 0.3380 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 40.0352, 0.2638, 0.3380 by changing the saturation by 10% instead.

 40.0352, 0.2638,
0.3380


 40.0352, 0.2638,
0.3380


346.2719, 0.2886,
0.3337

 27.5660, 0.2575,
0.3390


 75.2171, 0.2729,
0.3365

 17.9988, 0.2494,
0.3402


 98.6986, 0.2763,
0.3359

 10.9491, 0.2384,
0.3418


 126.6196, 0.2791,
0.3354

 6.0326, 0.2230,
0.3437

159.3646, 0.2816,
0.3350

 2.8649, 0.1998,
0.3461

197.3180, 0.2837,
0.3346

 1.0616, 0.1432,
0.3559

240.8640, 0.2855,

 0.0000, 0.0000,

0.3343

0.0000

290.3872, 0.2872,
0.3340

■ 40.0352, 0.2638,
0.3380

■ 40.0352, 0.2638,
0.3380

■ 38.9001, 0.2541,
0.3407

■ 41.4154, 0.2750,
0.3354

■ 37.9908, 0.2460,
0.3435

■ 43.0495, 0.2875,
0.3330

■ 37.2927, 0.2399,
0.3464

■ 44.9514, 0.3008,
0.3308


■ 36.7873, 0.2356,
0.3493


■ 47.1327, 0.3149,
0.3287

■ 36.4532, 0.2331,
0.3522

■ 49.6044, 0.3294,
0.3269

 36.2542, 0.2322,
0.3550

 52.3768, 0.3440,
0.3252

 36.2275, 0.2321,
0.3554

 55.4597, 0.3585,
0.3237

 58.3684, 0.3706,
0.3224

 58.4360, 0.3693,
0.3208

Harmonies

Analogous

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



40.0352, 0.2917, 0.3699



40.0352, 0.2638, 0.3380



40.0352, 0.2491, 0.3054

Triad

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



40.0352, 0.2638, 0.3380



40.0352, 0.2962, 0.2763



40.0352, 0.3788, 0.3728

Complementary

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



40.0352, 0.2638, 0.3380



22.8377, 0.3980, 0.3206

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.



40.0352, 0.3809, 0.3464



40.0352, 0.2638, 0.3380



40.0352, 0.3317, 0.2927

Square

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



40.0352, 0.2638, 0.3380



40.0352, 0.2669, 0.2720



40.0352, 0.3633, 0.3177



40.0352, 0.3584, 0.3894

Rectangle

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



40.0352, 0.2638, 0.3380



40.0352, 0.2480, 0.2883



40.0352, 0.3633, 0.3177



40.0352, 0.3818, 0.3647

Sweetspot

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



40.0368, 0.2638, 0.3380



80.1476, 0.2957, 0.3316



38.5481, 0.3128, 0.4424



17.6026, 0.2940, 0.3319



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



40.0368, 0.2638, 0.3380



70.8412, 0.2556, 0.3402



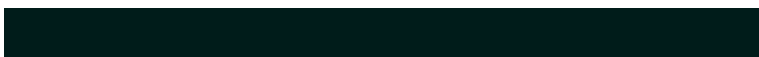
29.9313, 0.2535, 0.2844



10.1970, 0.2996, 0.3309



25.5870, 0.2320, 0.3551



0.9059, 0.2299, 0.3477

Inverse Universe

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



22.8377, 0.3980, 0.3206



35.3017, 0.4269, 0.3189



29.8690, 0.3906, 0.3693



9.0243, 0.3275, 0.3271



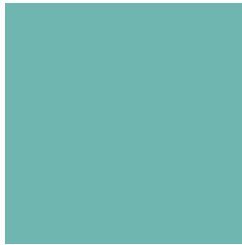
7.0529, 0.6289, 0.3238



0.2528, 0.5889, 0.3018

Previews

White Background



This preview shows how the Yxy color 40.0352, 0.2638, 0.3380 looks on a white background.

Color Contrast Check

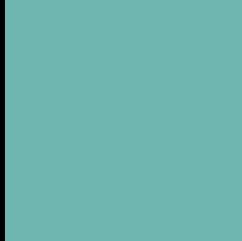
Large Text (above 18pt) WCAG AA × Fail

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 40.0352, 0.2638, 0.3380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

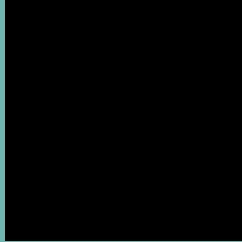
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

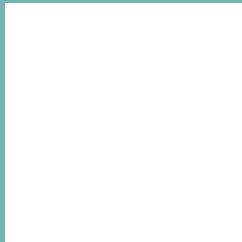
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.0352, 0.2638, 0.3380

Background



This preview shows how black text looks on a background with the Yxy color 40.0352, 0.2638, 0.3380.



This preview shows how white text looks on a background with the Yxy color 40.0352, 0.2638, 0.3380.

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

40.0352, 0.2638, 0.3380

Protanopia

39.6031, 0.3164, 0.3290

Deuteranopia

39.5495, 0.3137, 0.3076



Tritanopia

39.9171, 0.2551, 0.3068

Trichromacy



Original Color

40.0352, 0.2638, 0.3380

Protanomaly

39.3114, 0.2944, 0.3319

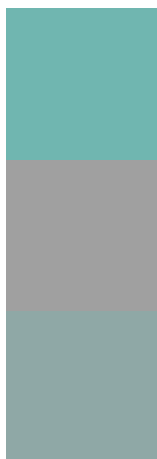
Deuteranomaly

39.3491, 0.2923, 0.3176

Tritanomaly

39.8752, 0.2584, 0.3184

Monochromacy



Original Color

40.0352, 0.2638, 0.3380

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.5981, 0.2922, 0.3319

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0352, 0.2638, 0.3380 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(112, 182, 176)` looks like.

```
.text, #text, p{  
    color:rgb(112, 182, 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(112, 182, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 182, 176) }
```

Border

The CSS property to change the border of an element to Yxy 40.0352, 0.2638, 0.3380 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(112, 182, 176) }
```

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

```
.border{ border-color:rgb(112, 182, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 182, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 182, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 182, 176);  
box-shadow:4px 4px 4px 4px rgb(112, 182,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0352, 0.2638, 0.3380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 182, 176) }
```

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

```
.background{ background-color: rgb(112,  
182, 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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