

Converting Colors

$Y_{xy}(40.4123, 0.2627, 0.3397)$

Have a look what the booklet for
Yxy(40.4123, 0.2627, 0.3397)
contains.

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Color

Yxy(40.3166, 0.2628, 0.3396)

Conversions

Conversions Part 1

Format	Color
Hex	6EB7B0
RGB	110, 183, 176
RGB Percent	43%, 72%, 69%
CMY	0.5686, 0.2823, 0.3099
CMYK	0.40, 0.00, 0.04, 0.28
HSL	174°, 34%, 57%
HSV	174°, 40%, 72%
XYZ	31.1991, 40.3166, 47.2022
YIQ	160.3750, -41.2610, -17.6530

Conversions

Conversions Part 2

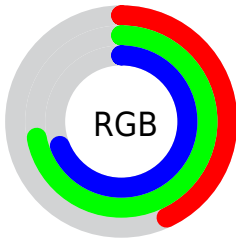
Format	Color
RYB	110, 148, 183
Decimal	7255984
CIELab	69.69, -24.46, -3.62
CIElCh	70, 24.730, 188.412
Yxy	40.3166, 0.2628, 0.3396
Android (android.graphics.Color)	4285446064 (0xFF6EB7B0)
YUV	160.3750, 7.7031, -44.1789
Hunter-Lab	63.4954, -23.4091, 0.3708

Details

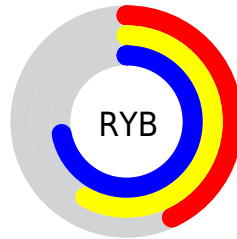
The Yxy color **40.3166, 0.2628, 0.3396** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **22.5057, 0.4016, 0.3192**, and the grayscale version is **35.3146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5585, 0.2718, 0.3370**, and **18.2613, 0.2481, 0.3419** is the 20% darker color. If you saturate the color by 10%, you get **39.1938, 0.2534, 0.3427**, and if you desaturate by 10%, it is **41.6859, 0.2737, 0.3367**.

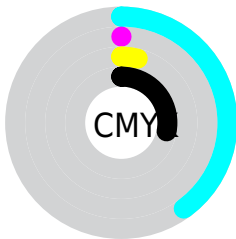
Distribution



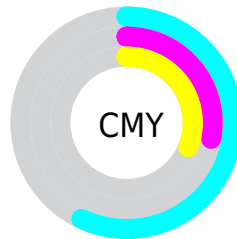
- Red (43%)
- Green (72%)
- Blue (69%)



- Red (43%)
- Yellow (58%)
- Blue (72%)



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)
- Black (28%)





- Cyan (57%)
- Magenta (28%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3166, 0.2628, 0.3396 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 40.3166, 0.2628, 0.3396 by changing the saturation by 10% instead.


 40.3166, 0.2628,
0.3396


 40.3166, 0.2628,
0.3396


347.4562, 0.2881,
0.3345

 27.7855, 0.2564,
0.3408


 75.6454, 0.2721,
0.3378


 18.1640, 0.2481,
0.3423


 99.2118, 0.2755,
0.3371

 11.0678, 0.2370,
0.3442


 127.2255, 0.2784,
0.3365

 6.1125, 0.2214,
0.3467

 160.0708, 0.2809,
0.3360

 2.9136, 0.1978,
0.3499

198.1321, 0.2831,
0.3355

 1.0868, 0.1406,
0.3614

241.7939, 0.2850,

 0.0000, 0.0000,

0.3352

0.0000

291.4404, 0.2866,
0.3348

■ 40.3166, 0.2628,
0.3396

■ 40.3166, 0.2628,
0.3396

■ 39.1938, 0.2534,
0.3427

■ 41.6859, 0.2737,
0.3367

■ 38.2976, 0.2457,
0.3459

■ 43.3107, 0.2859,
0.3339

■ 37.6131, 0.2398,
0.3491


■ 45.2053, 0.2990,
0.3313


■ 37.1211, 0.2359,
0.3524


■ 47.3815, 0.3129,
0.3290


■ 36.7992, 0.2338,
0.3557


■ 49.8506, 0.3271,
0.3269


 36.6023, 0.2331,
0.3589

 52.6230, 0.3416,
0.3250

 36.6003, 0.2330,
0.3590

 55.7089, 0.3560,
0.3233

 58.8496, 0.3690,
0.3218

 58.9271, 0.3674,
0.3200

Harmonies

Analogous

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



40.3166, 0.2921, 0.3726



40.3166, 0.2628, 0.3396



40.3166, 0.2470, 0.3055

Triad

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



40.3166, 0.2628, 0.3396



40.3166, 0.2943, 0.2740



40.3166, 0.3818, 0.3734

Complementary

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



40.3166, 0.2628, 0.3396



22.5057, 0.4016, 0.3192

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.



40.3166, 0.3832, 0.3459



40.3166, 0.2628, 0.3396



40.3166, 0.3310, 0.2905

Square

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



40.3166, 0.2628, 0.3396



40.3166, 0.2643, 0.2701



40.3166, 0.3643, 0.3162



40.3166, 0.3611, 0.3913

Rectangle

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



40.3166, 0.2628, 0.3396



40.3166, 0.2455, 0.2875



40.3166, 0.3643, 0.3162



40.3166, 0.3846, 0.3649

Sweetspot

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



40.3182, 0.2628, 0.3396



80.1300, 0.2959, 0.3319



38.7979, 0.3127, 0.4473



17.5983, 0.2942, 0.3322



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.



40.3182, 0.2628, 0.3396



70.3917, 0.2543, 0.3423



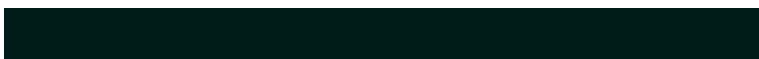
29.7812, 0.2514, 0.2825



10.1953, 0.2998, 0.3312



25.5370, 0.2329, 0.3586



0.9046, 0.2306, 0.3502

Inverse Universe

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



22.5057, 0.4016, 0.3192



34.0040, 0.4330, 0.3172



29.7183, 0.3944, 0.3708



9.0259, 0.3273, 0.3268



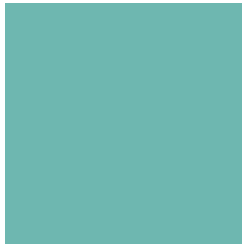
7.0575, 0.6272, 0.3229



0.2535, 0.5832, 0.2986

Previews

White Background



This preview shows how the Yxy color 40.3166, 0.2628, 0.3396 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 40.3166, 0.2628, 0.3396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

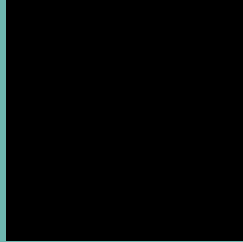
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

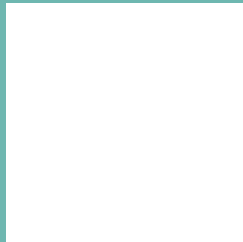
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.3166, 0.2628, 0.3396

Background



This preview shows how black text looks on a background with the Yxy color 40.3166, 0.2628, 0.3396.

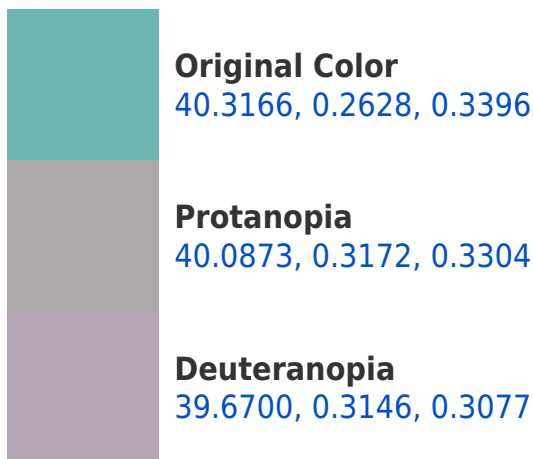


This preview shows how white text looks on a background with the Yxy color 40.3166, 0.2628, 0.3396.

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





Tritanopia

40.2275, 0.2535, 0.3068

Trichromacy



Original Color

40.3166, 0.2628, 0.3396

Protanomaly

39.6964, 0.2944, 0.3333

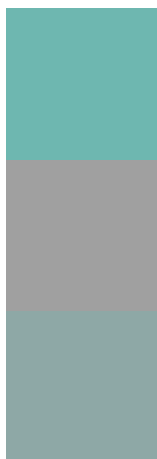
Deuteranomaly

39.3491, 0.2923, 0.3176

Tritanomaly

40.1893, 0.2568, 0.3184

Monochromacy



Original Color

40.3166, 0.2628, 0.3396

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.5092, 0.2913, 0.3319

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3166, 0.2628, 0.3396 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(110, 183, 176)` looks like.

```
.text, #text, p{  
    color:rgb(110, 183, 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(110, 183, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 183, 176) }
```

Border

The CSS property to change the border of an element to Yxy 40.3166, 0.2628, 0.3396 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(110, 183, 176) }
```

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

```
.border{ border-color:rgb(110, 183, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 183, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 183, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 183, 176);  
box-shadow:4px 4px 4px 4px rgb(110, 183,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3166, 0.2628, 0.3396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 183, 176) }
```

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

```
.background{ background-color: rgb(110,  
183, 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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