

Converting Colors

$Y_{xy}(40.5403, 0.2370, 0.3473)$

Have a look what the booklet for
Yxy(40.5403, 0.2370, 0.3473)
contains.

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Color

Yxy(40.7194, 0.2373, 0.3480)

Conversions

Conversions Part 1

Format	Color
Hex	32BEB2
RGB	50, 190, 178
RGB Percent	20%, 75%, 70%
CMY	0.8038, 0.2549, 0.3019
CMYK	0.74, 0.00, 0.06, 0.25
HSL	175°, 58%, 47%
HSV	175°, 74%, 75%
XYZ	27.7664, 40.7194, 48.5240
YIQ	146.7720, -79.5880, -33.4120

Conversions

Conversions Part 2

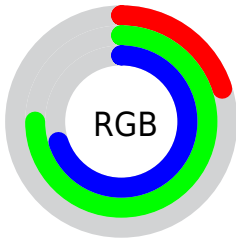
Format	Color
RYB	50, 123, 190
Decimal	3325618
CIELab	69.98, -38.83, -4.53
CIElCh	70, 39.097, 186.650
Yxy	40.7194, 0.2373, 0.3480
Android (android.graphics.Color)	4281515698 (0xFF32BEB2)
YUV	146.7720, 15.3954, -84.8690
Hunter-Lab	63.8118, -33.9998, -0.4173

Details

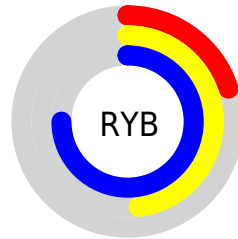
The Yxy color **40.7194, 0.2373, 0.3480** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **13.5780, 0.5434, 0.3174**, and the grayscale version is **29.0417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3136, 0.2509, 0.3445**, and **19.0890, 0.2315, 0.3534** is the 20% darker color. If you saturate the color by 10%, you get **40.2690, 0.2340, 0.3509**, and if you desaturate by 10%, it is **41.3740, 0.2425, 0.3451**.

Distribution



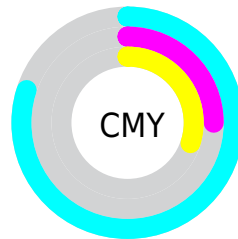
- Red (20%)
- Green (75%)
- Blue (70%)



- Red (20%)
- Yellow (48%)
- Blue (75%)



- Cyan (74%)
- Magenta (0%)
- Yellow (6%)
- Black (25%)





- Cyan (80%)
- Magenta (25%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7194, 0.2373, 0.3480 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 40.7194, 0.2373, 0.3480 by changing the saturation by 10% instead.


 40.7194, 0.2373,
0.3480

 40.7194, 0.2373,
0.3480


349.1465, 0.2752,
0.3390

 28.0999, 0.2279,
0.3501


 76.2578, 0.2511,
0.3448

 18.4010, 0.2158,
0.3526


 99.9454, 0.2562,
0.3436


 11.2382, 0.1997,
0.3558


 128.0912, 0.2606,
0.3426

 6.2273, 0.1777,
0.3597

 161.0795, 0.2644,
0.3417

 2.9838, 0.1458,
0.3642

 199.2949, 0.2676,
0.3409

 1.1233, 0.0357,
0.3930

243.1215, 0.2705,

 0.0000, 0.0000,

0.3402

0.0000

292.9439, 0.2730,
0.3395

■ 40.7194, 0.2373,
0.3480

■ 40.7194, 0.2373,
0.3480

■ 40.2690, 0.2340,
0.3509

■ 41.3740, 0.2425,
0.3451

■ 39.9915, 0.2325,
0.3538

■ 42.2503, 0.2496,
0.3422

■ 39.8730, 0.2321,
0.3556

■ 43.3689, 0.2584,
0.3395

■ 44.7471, 0.2689,
0.3368

■ 46.4004, 0.2808,
0.3343

■ 48.3432, 0.2937,
0.3319

■ 50.5887, 0.3075,
0.3297

■ 53.1496, 0.3218,
0.3278

■ 56.0376, 0.3364,
0.3260

Harmonies

Analogous

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



40.7194, 0.2821, 0.4029



40.7194, 0.2373, 0.3480



40.7194, 0.2133, 0.2926

Triad

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



40.7194, 0.2373, 0.3480



40.7194, 0.2799, 0.2452



40.7194, 0.4217, 0.3924

Complementary

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



40.7194, 0.2373, 0.3480



13.5780, 0.5434, 0.3174

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.



40.7194, 0.4235, 0.3491



40.7194, 0.2373, 0.3480



40.7194, 0.3370, 0.2687

Square

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



40.7194, 0.2373, 0.3480



40.7194, 0.2362, 0.2396



40.7194, 0.3915, 0.3055



40.7194, 0.3892, 0.4248

Rectangle

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



40.7194, 0.2373, 0.3480



40.7194, 0.2106, 0.2650



40.7194, 0.3915, 0.3055



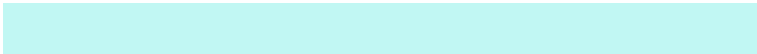
40.7194, 0.4261, 0.3785

Sweetspot

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



40.7210, 0.2373, 0.3480



84.5169, 0.2824, 0.3339



38.1483, 0.3080, 0.5567



18.3631, 0.2790, 0.3346



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



40.7210, 0.2373, 0.3480



72.6483, 0.2329, 0.3526



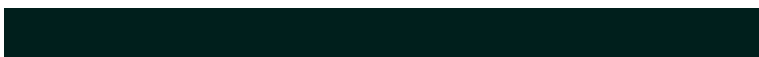
21.4489, 0.2070, 0.2320



10.7951, 0.2996, 0.3310



26.5188, 0.2320, 0.3552



1.0430, 0.2301, 0.3483

Inverse Universe

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



13.5780, 0.5434, 0.3174



20.9664, 0.6051, 0.3214



21.4883, 0.4975, 0.3965



9.5493, 0.3275, 0.3271



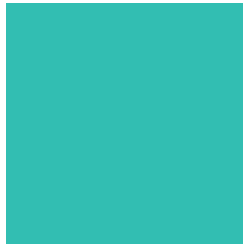
7.3097, 0.6291, 0.3239



0.2909, 0.5912, 0.3031

Previews

White Background



This preview shows how the Yxy color 40.7194, 0.2373, 0.3480 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 40.7194, 0.2373, 0.3480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

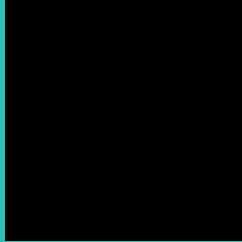
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

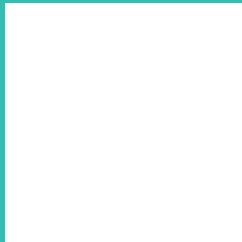
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.7194, 0.2373, 0.3480

Background



This preview shows how black text looks on a background with the Yxy color 40.7194, 0.2373, 0.3480.

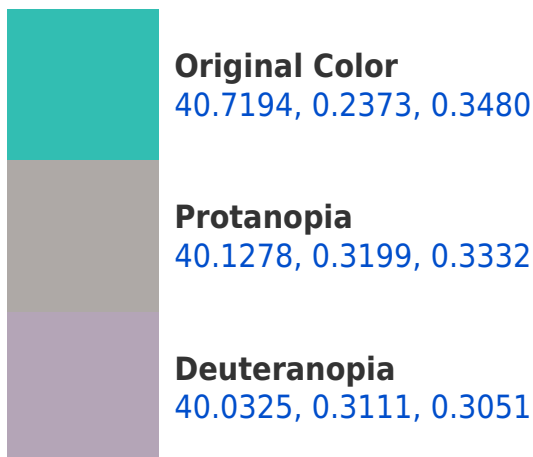


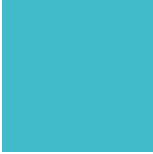
This preview shows how white text looks on a background with the Yxy color 40.7194, 0.2373, 0.3480.

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

40.5059, 0.2286, 0.3046

Trichromacy



Original Color

40.7194, 0.2373, 0.3480



Protanomaly

39.0137, 0.2787, 0.3395



Deuteranomaly

38.5948, 0.2736, 0.3185



Tritanomaly

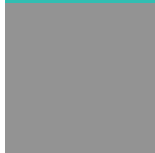
40.3516, 0.2316, 0.3195

Monochromacy



Original Color

40.7194, 0.2373, 0.3480



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

32.1078, 0.2725, 0.3371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7194, 0.2373, 0.3480 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(50, 190, 178)` looks like.

```
.text, #text, p{  
    color:rgb(50, 190, 178)  
}
```

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(50, 190, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 190, 178) }
```

Border

The CSS property to change the border of an element to Yxy 40.7194, 0.2373, 0.3480 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(50, 190, 178) }
```

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

```
.border{ border-color:rgb(50, 190, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 190, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 190, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 190, 178);  
box-shadow:4px 4px 4px 4px rgb(50, 190,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7194, 0.2373, 0.3480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 190, 178) }
```

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

```
.background{ background-color: rgb(50, 190,  
178) }
```

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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