

Converting Colors

$Yxy(39.8944, 0.2407, 0.3681)$

Have a look what the booklet for
Yxy(39.8944, 0.2407, 0.3681)
contains.

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Color

Yxy(40.0114, 0.2407, 0.3685)

Conversions

Conversions Part 1

Format	Color
Hex	27BEA6
RGB	39, 190, 166
RGB Percent	15%, 75%, 65%
CMY	0.8470, 0.2549, 0.3489
CMYK	0.79, 0.00, 0.13, 0.25
HSL	170°, 66%, 45%
HSV	170°, 79%, 75%
XYZ	26.1350, 40.0114, 42.4327
YIQ	142.1150, -82.2920, -39.4760

Conversions

Conversions Part 2

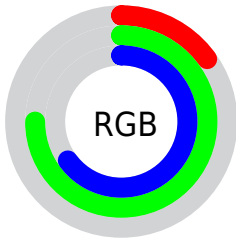
Format	Color
RYB	39, 121, 190
Decimal	2604710
CIELab	69.48, -43.30, 1.29
CIElCh	69, 43.322, 178.295
Yxy	40.0114, 0.2407, 0.3685
Android (android.graphics.Color)	4280794790 (0xFF27BEA6)
YUV	142.1150, 11.7753, -90.4319
Hunter-Lab	63.2546, -36.9444, 4.5050

Details

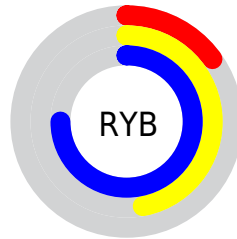
The Yxy color **40.0114, 0.2407, 0.3685** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **12.7583, 0.5498, 0.3069**, and the grayscale version is **27.0783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1215, 0.2540, 0.3610**, and **18.8232, 0.2388, 0.3796** is the 20% darker color. If you saturate the color by 10%, you get **39.6207, 0.2390, 0.3741**, and if you desaturate by 10%, it is **40.5934, 0.2443, 0.3629**.

Distribution



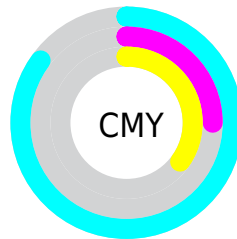
- Red (15%)
- Green (75%)
- Blue (65%)



- Red (15%)
- Yellow (47%)
- Blue (75%)



- Cyan (79%)
- Magenta (0%)
- Yellow (13%)
- Black (25%)





- Cyan (85%)
- Magenta (25%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.0114, 0.2407, 0.3685 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 40.0114, 0.2407, 0.3685 by changing the saturation by 10% instead.


 40.0114, 0.2407,
0.3685


 40.0114, 0.2407,
0.3685


346.1716, 0.2774,
0.3483

 27.5474, 0.2314,
0.3737


 75.1809, 0.2541,
0.3610

 17.9848, 0.2194,
0.3804


 98.6552, 0.2592,
0.3583

 10.9391, 0.2033,
0.3895


 126.5684, 0.2634,
0.3559

 6.0259, 0.1808,
0.4023

 159.3048, 0.2670,
0.3540

 2.8608, 0.1476,
0.4217

 197.2490, 0.2701,
0.3522

 1.0595, 0.0000,
0.5011

240.7853, 0.2728,

 0.0000, 0.0000,

0.3507

0.0000

290.2980, 0.2752,
0.3494

■ 40.0114, 0.2407,
0.3685

■ 40.0114, 0.2407,
0.3685

■ 39.6207, 0.2390,
0.3741

■ 40.5934, 0.2443,
0.3629

■ 39.3715, 0.2389,
0.3797

■ 41.3866, 0.2497,
0.3573

■ 39.3592, 0.2389,
0.3800

■ 42.4131, 0.2570,
0.3518

■ 43.6914, 0.2660,
0.3466

■ 45.2378, 0.2764,
0.3416

■ 47.0674, 0.2880,
0.3370

■ 49.1941, 0.3004,
0.3327

■ 51.6309, 0.3134,
0.3288

■ 54.3899, 0.3268,
0.3253

Harmonies

Analogous

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



40.0114, 0.2947, 0.4254



40.0114, 0.2407, 0.3685



40.0114, 0.2078, 0.3035

Triad

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



40.0114, 0.2407, 0.3685



40.0114, 0.2607, 0.2331



40.0114, 0.4381, 0.3851

Complementary

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



40.0114, 0.2407, 0.3685



12.7583, 0.5498, 0.3069

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.



40.0114, 0.4299, 0.3365



40.0114, 0.2407, 0.3685



40.0114, 0.3211, 0.2538

Square

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



40.0114, 0.2407, 0.3685



40.0114, 0.2188, 0.2326



40.0114, 0.3852, 0.2903



40.0114, 0.4098, 0.4266

Rectangle

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



40.0114, 0.2407, 0.3685



40.0114, 0.2002, 0.2689



40.0114, 0.3852, 0.2903



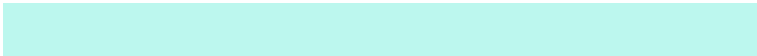
40.0114, 0.4398, 0.3691

Sweetspot

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



40.0129, 0.2407, 0.3685



83.5939, 0.2821, 0.3392



38.0699, 0.3114, 0.5670



18.1009, 0.2780, 0.3409



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.



40.0129, 0.2407, 0.3685



71.4715, 0.2389, 0.3781



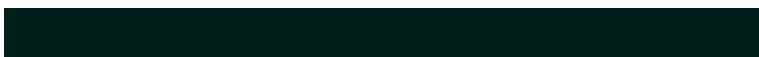
22.8103, 0.2062, 0.2417



10.7828, 0.3005, 0.3327



26.1811, 0.2387, 0.3793



1.0326, 0.2350, 0.3659

Inverse Universe

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



12.7583, 0.5498, 0.3069



20.3374, 0.6088, 0.3160



18.2963, 0.5292, 0.3842



9.5604, 0.3264, 0.3254



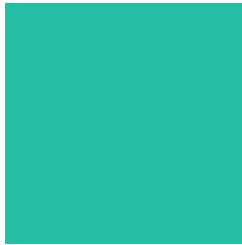
7.3499, 0.6152, 0.3163



0.2958, 0.5566, 0.2840

Previews

White Background



This preview shows how the Yxy color 40.0114, 0.2407, 0.3685 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 40.0114, 0.2407, 0.3685 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

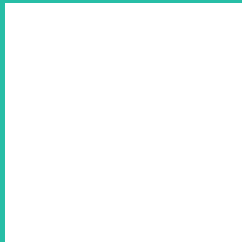
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.0114, 0.2407, 0.3685

Background



This preview shows how black text looks on a background with the Yxy color 40.0114, 0.2407, 0.3685.

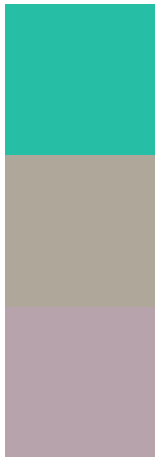


This preview shows how white text looks on a background with the Yxy color 40.0114, 0.2407, 0.3685.

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

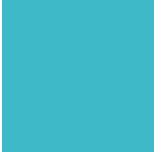
40.0114, 0.2407, 0.3685

Protanopia

39.4523, 0.3315, 0.3486

Deuteranopia

39.2402, 0.3237, 0.3170



Tritanopia

39.8922, 0.2282, 0.3059

Trichromacy



Original Color

40.0114, 0.2407, 0.3685



Protanomaly

37.9549, 0.2850, 0.3569



Deuteranomaly

37.6147, 0.2798, 0.3335



Tritanomaly

39.9558, 0.2323, 0.3272

Monochromacy



Original Color

40.0114, 0.2407, 0.3685



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

30.0339, 0.2716, 0.3426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0114, 0.2407, 0.3685 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(39, 190, 166)` looks like.

```
.text, #text, p{  
    color:rgb(39, 190, 166)  
}
```

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(39, 190, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 190, 166) }
```

Border

The CSS property to change the border of an element to Yxy 40.0114, 0.2407, 0.3685 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(39, 190, 166) }
```

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

```
.border{ border-color:rgb(39, 190, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 190, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(39, 190, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(39, 190, 166); box-shadow:4px 4px 4px 4px rgb(39, 190, 166) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0114, 0.2407, 0.3685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 190, 166) }
```

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

```
.background{ background-color: rgb(39, 190,  
166) }
```

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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