

Converting Colors

$Y_{xy}(40.7598, 0.2399, 0.3614)$

Have a look what the booklet for
Yxy(40.7598, 0.2399, 0.3614)
contains.

Yxy(40.7598, 0.2399, 0.3614)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.7598, 0.2399, 0.3614)

Conversions

Conversions Part 1

Format	Color
Hex	2DBFAB
RGB	45, 191, 171
RGB Percent	18%, 75%, 67%
CMY	0.8243, 0.2509, 0.3294
CMYK	0.77, 0.00, 0.10, 0.25
HSL	172°, 62%, 46%
HSV	172°, 77%, 75%
XYZ	27.0567, 40.7598, 44.9666
YIQ	145.0660, -80.5960, -37.1720

Conversions

Conversions Part 2

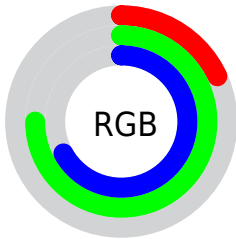
Format	Color
RYB	45, 123, 191
Decimal	2998187
CIELab	70.01, -41.81, -0.65
CIElCh	70, 41.813, 180.891
Yxy	40.7598, 0.2399, 0.3614
Android (android.graphics.Color)	4281188267 (0xFF2DBFAB)
YUV	145.0660, 12.7855, -87.7579
Hunter-Lab	63.8434, -36.0781, 2.9309

Details

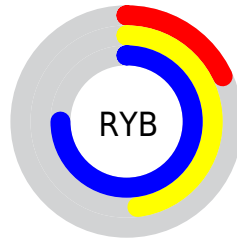
The Yxy color **40.7598, 0.2399, 0.3614** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **13.3198, 0.5434, 0.3097**, and the grayscale version is **28.2934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2706, 0.2535, 0.3557**, and **19.2232, 0.2360, 0.3696** is the 20% darker color. If you saturate the color by 10%, you get **40.3248, 0.2375, 0.3662**, and if you desaturate by 10%, it is **41.3955, 0.2442, 0.3566**.

Distribution



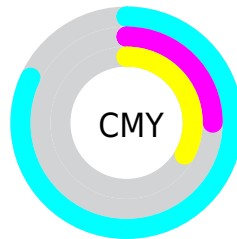
- Red (18%)
- Green (75%)
- Blue (67%)



- Red (18%)
- Yellow (48%)
- Blue (75%)



- Cyan (77%)
- Magenta (0%)
- Yellow (10%)
- Black (25%)





- Cyan (82%)
- Magenta (25%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7598, 0.2399, 0.3614 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 40.7598, 0.2399, 0.3614 by changing the saturation by 10% instead.


 40.7598, 0.2399,
0.3614


 40.7598, 0.2399,
0.3614


349.3157, 0.2767,
0.3451


 28.1314, 0.2306,
0.3655


 76.3191, 0.2533,
0.3555


 18.4248, 0.2187,
0.3707


 100.0189, 0.2584,
0.3532


 11.2554, 0.2029,
0.3776


 128.1779, 0.2626,
0.3514

 6.2389, 0.1809,
0.3872

 161.1806, 0.2663,
0.3497

 2.9909, 0.1486,
0.4009

 199.4113, 0.2694,
0.3484

 1.1270, 0.0133,
0.4618

243.2545, 0.2721,

 0.0008, 0.0000,

0.3471

0.0172

293.0945, 0.2746,
0.3461

■ 0.0000, 0.0000,
0.0000

■ 40.7598, 0.2399,
0.3614

■ 40.7598, 0.2399,
0.3614

■ 40.3248, 0.2375,
0.3662

■ 41.3955, 0.2442,
0.3566

■ 40.0549, 0.2369,
0.3709

■ 42.2507, 0.2504,
0.3519

■ 39.9793, 0.2368,
0.3726

■ 43.3473, 0.2583,
0.3473

■ 44.7030, 0.2679,
0.3428

■ 46.3342, 0.2789,
0.3387

■ 48.2556, 0.2910,
0.3348

■ 50.4812, 0.3039,
0.3312

■ 53.0237, 0.3174,
0.3279

■ 55.8955, 0.3312,
0.3250

Harmonies

Analogous

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



40.7598, 0.2906, 0.4174



40.7598, 0.2399, 0.3614



40.7598, 0.2101, 0.3000

Triad

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



40.7598, 0.2399, 0.3614



40.7598, 0.2672, 0.2375



40.7598, 0.4321, 0.3873

Complementary

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



40.7598, 0.2399, 0.3614



13.3198, 0.5434, 0.3097

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.



40.7598, 0.4272, 0.3407



40.7598, 0.2399, 0.3614



40.7598, 0.3263, 0.2590

Square

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



40.7598, 0.2399, 0.3614



40.7598, 0.2249, 0.2353



40.7598, 0.3870, 0.2955



40.7598, 0.4026, 0.4258

Rectangle

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



40.7598, 0.2399, 0.3614



40.7598, 0.2040, 0.2679



40.7598, 0.3870, 0.2955



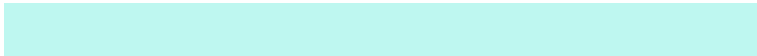
40.7598, 0.4347, 0.3721

Sweetspot

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



40.7614, 0.2399, 0.3614



84.0074, 0.2827, 0.3374



38.6398, 0.3109, 0.5613



18.1864, 0.2784, 0.3389



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.



40.7614, 0.2399, 0.3614



71.8502, 0.2369, 0.3695



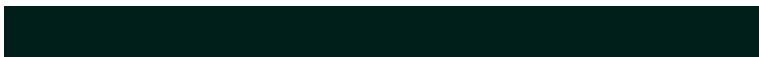
23.0255, 0.2076, 0.2410



10.7865, 0.3003, 0.3321



26.2783, 0.2367, 0.3719



1.0356, 0.2335, 0.3606

Inverse Universe

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



13.3198, 0.5434, 0.3097



20.5692, 0.6058, 0.3169



19.6281, 0.5162, 0.3876



9.5571, 0.3267, 0.3259



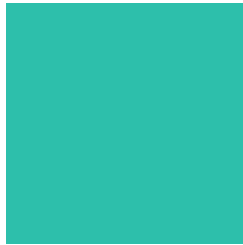
7.3358, 0.6200, 0.3189



0.2943, 0.5664, 0.2894

Previews

White Background



This preview shows how the Yxy color 40.7598, 0.2399, 0.3614 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 40.7598, 0.2399, 0.3614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

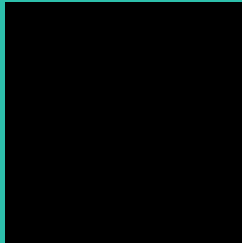
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

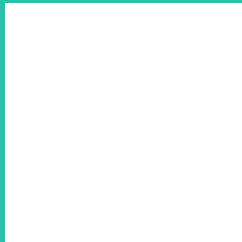
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.7598, 0.2399, 0.3614

Background



This preview shows how black text looks on a background with the Yxy color 40.7598, 0.2399, 0.3614.

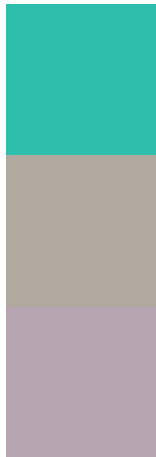


This preview shows how white text looks on a background with the Yxy color 40.7598, 0.2399, 0.3614.

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

40.7598, 0.2399, 0.3614

Protanopia

39.9931, 0.3269, 0.3429

Deuteranopia

40.1519, 0.3190, 0.3131



Tritanopia

40.8949, 0.2286, 0.3061

Trichromacy



Original Color

40.7598, 0.2399, 0.3614



Protanomaly

38.6778, 0.2830, 0.3504



Deuteranomaly

38.3538, 0.2778, 0.3274



Tritanomaly

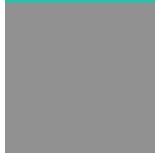
40.5979, 0.2321, 0.3241

Monochromacy



Original Color

40.7598, 0.2399, 0.3614



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

31.4250, 0.2730, 0.3423

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7598, 0.2399, 0.3614 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(45, 191, 171)` looks like.

```
.text, #text, p{  
  color:rgb(45, 191, 171)  
}
```

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(45, 191, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 191, 171) }
```

Border

The CSS property to change the border of an element to Yxy 40.7598, 0.2399, 0.3614 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(45, 191, 171) }
```

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

```
.border{ border-color:rgb(45, 191, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 191, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 191, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 191, 171);  
box-shadow:4px 4px 4px 4px rgb(45, 191,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7598, 0.2399, 0.3614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 191, 171) }
```

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

```
.background{ background-color: rgb(45, 191,  
171) }
```

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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