

Converting Colors

$Yxy(40.6685, 0.2464, 0.3532)$

Have a look what the booklet for
Yxy(40.6685, 0.2464, 0.3532)
contains.

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Color

Yxy(40.7900, 0.2468, 0.3543)

Conversions

Conversions Part 1

Format	Color
Hex	48BDAD
RGB	72, 189, 173
RGB Percent	28%, 74%, 68%
CMY	0.7177, 0.2588, 0.3215
CMYK	0.62, 0.00, 0.08, 0.26
HSL	172°, 47%, 51%
HSV	172°, 62%, 74%
XYZ	28.4137, 40.7900, 45.9247
YIQ	152.1930, -64.5960, -29.7800

Conversions

Conversions Part 2

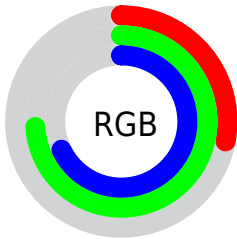
Format	Color
RYB	72, 135, 189
Decimal	4767149
CIELab	70.03, -36.49, -1.66
CIELCh	70, 36.527, 182.611
Yxy	40.7900, 0.2468, 0.3543
Android (android.graphics.Color)	4282957229 (0xFF48BDAD)
YUV	152.1930, 10.2579, -70.3293
Hunter-Lab	63.8670, -32.3548, 2.0734

Details

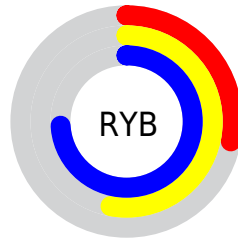
The Yxy color **40.7900, 0.2468, 0.3543** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **16.1553, 0.4798, 0.3093**, and the grayscale version is **31.4621, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4995, 0.2594, 0.3504**, and **18.7084, 0.2335, 0.3606** is the 20% darker color. If you saturate the color by 10%, you get **40.0747, 0.2416, 0.3591**, and if you desaturate by 10%, it is **41.7336, 0.2538, 0.3496**.

Distribution



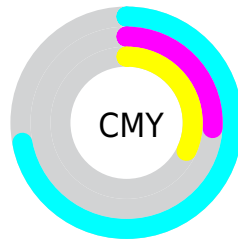
- Red (28%)
- Green (74%)
- Blue (68%)



- Red (28%)
- Yellow (53%)
- Blue (74%)



- Cyan (62%)
- Magenta (0%)
- Yellow (8%)
- Black (26%)




- Cyan (72%)
- Magenta (26%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7900, 0.2468, 0.3543 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 40.7900, 0.2468, 0.3543 by changing the saturation by 10% instead.


 40.7900, 0.2468,
0.3543

 40.7900, 0.2468,
0.3543


349.4422, 0.2801,
0.3417

 28.1550, 0.2384,
0.3574

 76.3650, 0.2590,
0.3497

 18.4426, 0.2276,
0.3614


 100.0738, 0.2635,
0.3480


 11.2682, 0.2132,
0.3666


 128.2427, 0.2674,
0.3466

 6.2475, 0.1931,
0.3738

 161.2561, 0.2707,
0.3453

 2.9962, 0.1634,
0.3840

 199.4983, 0.2735,
0.3442

 1.1297, 0.0617,
0.4237

243.3538, 0.2760,

 0.0032, 0.0000,

0.3433

0.0257

293.2070, 0.2782,
0.3424

0.0000, 0.0000,
0.0000

40.7900, 0.2468,
0.3543

40.7900, 0.2468,
0.3543

40.0747, 0.2416,
0.3591

41.7336, 0.2538,
0.3496

39.5618, 0.2384,
0.3638

42.9193, 0.2626,
0.3451

39.2274, 0.2370,
0.3686

44.3653, 0.2729,
0.3408

39.0480, 0.2368,
0.3724

46.0868, 0.2844,
0.3368

48.0977, 0.2969,
0.3330

■ 50.4111, 0.3101,
0.3296

■ 53.0393, 0.3238,
0.3265

■ 55.9936, 0.3376,
0.3237

■ 59.2853, 0.3514,
0.3213

Harmonies

Analogous

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



40.7900, 0.2911, 0.4030



40.7900, 0.2468, 0.3543



40.7900, 0.2211, 0.3016

Triad

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



40.7900, 0.2468, 0.3543



40.7900, 0.2757, 0.2483



40.7900, 0.4167, 0.3839

Complementary

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



40.7900, 0.2468, 0.3543



16.1553, 0.4798, 0.3093

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.



40.7900, 0.4138, 0.3428



40.7900, 0.2468, 0.3543



40.7900, 0.3282, 0.2685

Square

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



40.7900, 0.2468, 0.3543



40.7900, 0.2367, 0.2457



40.7900, 0.3803, 0.3019



40.7900, 0.3900, 0.4159

Rectangle

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



40.7900, 0.2468, 0.3543



40.7900, 0.2163, 0.2739



40.7900, 0.3803, 0.3019



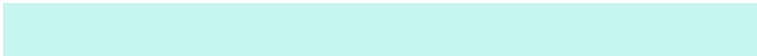
40.7900, 0.4194, 0.3706

Sweetspot

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



40.7916, 0.2468, 0.3543



83.4284, 0.2876, 0.3358



39.0144, 0.3140, 0.5204



17.7316, 0.2841, 0.3369



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



40.7916, 0.2468, 0.3543



71.4332, 0.2404, 0.3606



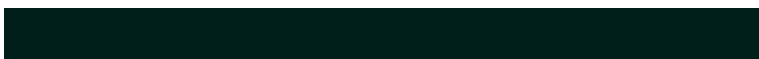
26.2452, 0.2229, 0.2606



10.7865, 0.3003, 0.3321



26.2802, 0.2366, 0.3718



1.0357, 0.2335, 0.3605

Inverse Universe

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



16.1553, 0.4798, 0.3093



23.7146, 0.5375, 0.3095



23.0834, 0.4657, 0.3832



9.5570, 0.3267, 0.3259



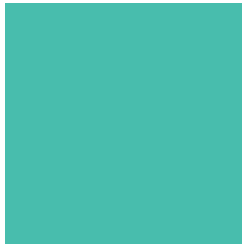
7.3356, 0.6201, 0.3190



0.2943, 0.5665, 0.2895

Previews

White Background



This preview shows how the Yxy color 40.7900, 0.2468, 0.3543 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 40.7900, 0.2468, 0.3543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

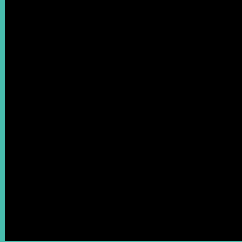
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

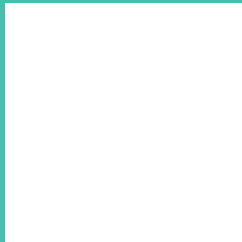
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.7900, 0.2468, 0.3543

Background



This preview shows how black text looks on a background with the Yxy color 40.7900, 0.2468, 0.3543.

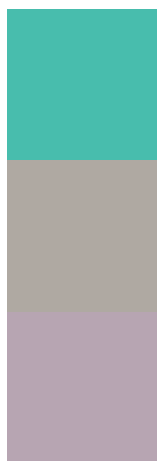


This preview shows how white text looks on a background with the Yxy color 40.7900, 0.2468, 0.3543.

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

40.7900, 0.2468, 0.3543

Protanopia

40.0985, 0.3243, 0.3387

Deuteranopia

40.1919, 0.3182, 0.3117



Tritanopia

40.7071, 0.2358, 0.3063

Trichromacy



Original Color

40.7900, 0.2468, 0.3543



Protanomaly

39.2071, 0.2885, 0.3439



Deuteranomaly

39.2463, 0.2849, 0.3260



Tritanomaly

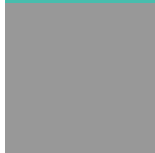
40.4978, 0.2396, 0.3226

Monochromacy



Original Color

40.7900, 0.2468, 0.3543



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

33.6593, 0.2799, 0.3369

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7900, 0.2468, 0.3543 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(72, 189, 173)` looks like.

```
.text, #text, p{  
    color:rgb(72, 189, 173)  
}
```

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(72, 189, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 189, 173) }
```

Border

The CSS property to change the border of an element to Yxy 40.7900, 0.2468, 0.3543 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(72, 189, 173) }
```

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

```
.border{ border-color:rgb(72, 189, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 189, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 189, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 189, 173);  
box-shadow:4px 4px 4px 4px rgb(72, 189,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7900, 0.2468, 0.3543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 189, 173) }
```

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

```
.background{ background-color: rgb(72, 189,  
173) }
```

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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