

Converting Colors

$Y_{xy}(40.0221, 0.2527, 0.3800)$

Have a look what the booklet for
Yxy(40.0221, 0.2527, 0.3800)
contains.

Yxy(40.0221, 0.2527, 0.3800)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(40.0221, 0.2527, 0.3800)

Conversions

Conversions Part 1

Format	Color
Hex	42BD9E
RGB	66, 189, 158
RGB Percent	26%, 74%, 62%
CMY	0.7414, 0.2588, 0.3803
CMYK	0.65, 0.00, 0.16, 0.26
HSL	165°, 48%, 50%
HSV	165°, 65%, 74%
XYZ	26.6147, 40.0221, 38.6845
YIQ	148.6890, -63.3570, -35.7170

Conversions

Conversions Part 2

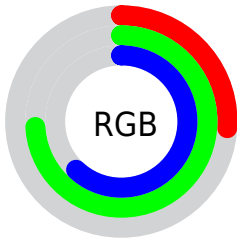
Format	Color
RYB	66, 136, 189
Decimal	4373918
CIELab	69.49, -41.36, 5.74
CIELCh	69, 41.754, 172.103
Yxy	40.0221, 0.2527, 0.3800
Android (android.graphics.Color)	4282563998 (0xFF42BD9E)
YUV	148.6890, 4.5903, -72.5183
Hunter-Lab	63.2630, -35.6155, 8.0290

Details

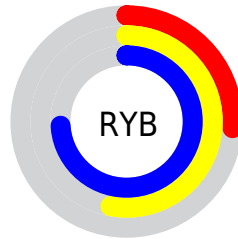
The Yxy color **40.0221, 0.2527, 0.3800** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **15.5699, 0.4678, 0.2903**, and the grayscale version is **29.9121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.2277, 0.2639, 0.3695**, and **18.3895, 0.2430, 0.3949** is the 20% darker color. If you saturate the color by 10%, you get **39.3121, 0.2490, 0.3893**, and if you desaturate by 10%, it is **40.9583, 0.2583, 0.3709**.

Distribution



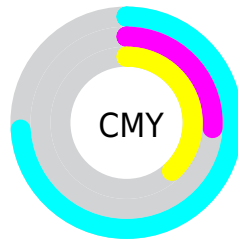
- Red (26%)
- Green (74%)
- Blue (62%)



- Red (26%)
- Yellow (53%)
- Blue (74%)



- Cyan (65%)
- Magenta (0%)
- Yellow (16%)
- Black (26%)





- Cyan (74%)
- Magenta (26%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0221, 0.2527, 0.3800 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 40.0221, 0.2527, 0.3800 by changing the saturation by 10% instead.


 40.0221, 0.2527,
0.3800

 40.0221, 0.2527,
0.3800


346.2167, 0.2836,
0.3532


 27.5558, 0.2447,
0.3871


 75.1972, 0.2641,
0.3700


 17.9911, 0.2343,
0.3965


 98.6747, 0.2684,
0.3663

 10.9436, 0.2202,
0.4095


 126.5914, 0.2719,
0.3632

 6.0289, 0.2001,
0.4285

 159.3317, 0.2750,
0.3606

 2.8627, 0.1694,
0.4588

 197.2800, 0.2776,
0.3584

 1.0605, 0.0000,
0.5882

240.8207, 0.2799,

 0.0000, 0.0000,

0.3564

0.0000

290.3381, 0.2819,
0.3547

■ 40.0221, 0.2527,
0.3800

■ 40.0221, 0.2527,
0.3800

■ 39.3121, 0.2490,
0.3893

■ 40.9583, 0.2583,
0.3709

■ 38.8013, 0.2473,
0.3987

■ 42.1355, 0.2656,
0.3621

■ 38.4639, 0.2475,
0.4080

■ 43.5724, 0.2743,
0.3537

■ 38.3341, 0.2479,
0.4125

■ 45.2846, 0.2843,
0.3459

■ 47.2866, 0.2952,
0.3387

■ 49.5917, 0.3067,
0.3321

■ 52.2124, 0.3185,
0.3262

■ 55.1606, 0.3306,
0.3209

■ 58.4475, 0.3425,
0.3161

Harmonies

Analogous

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



40.0221, 0.3078, 0.4290



40.0221, 0.2527, 0.3800



40.0221, 0.2159, 0.3168

Triad

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



40.0221, 0.2527, 0.3800



40.0221, 0.2524, 0.2343



40.0221, 0.4352, 0.3741

Complementary

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



40.0221, 0.2527, 0.3800



15.5699, 0.4678, 0.2903

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.



40.0221, 0.4192, 0.3269



40.0221, 0.2527, 0.3800



40.0221, 0.3079, 0.2506

Square

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



40.0221, 0.2527, 0.3800



40.0221, 0.2162, 0.2385



40.0221, 0.3706, 0.2834



40.0221, 0.4147, 0.4165

Rectangle

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



40.0221, 0.2527, 0.3800



40.0221, 0.2049, 0.2805



40.0221, 0.3706, 0.2834



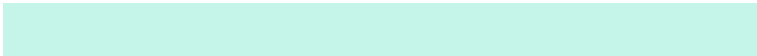
40.0221, 0.4341, 0.3585

Sweetspot

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



40.0237, 0.2527, 0.3800



82.7516, 0.2894, 0.3424



39.4293, 0.3231, 0.5243



17.5839, 0.2864, 0.3444



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.



40.0237, 0.2527, 0.3800



69.9837, 0.2481, 0.3932



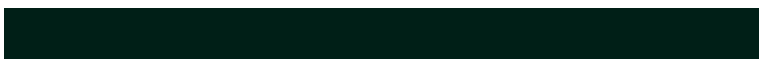
30.0726, 0.2252, 0.2816



10.7674, 0.3017, 0.3348



25.8033, 0.2476, 0.4113



1.0207, 0.2414, 0.3891

Inverse Universe

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



15.5699, 0.4678, 0.2903



22.9590, 0.5223, 0.2904



19.3341, 0.4924, 0.3657



9.5747, 0.3250, 0.3232



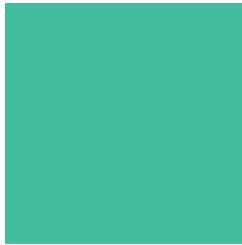
7.4310, 0.5897, 0.3022



0.3020, 0.5197, 0.2637

Previews

White Background



This preview shows how the Yxy color 40.0221, 0.2527, 0.3800 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 40.0221, 0.2527, 0.3800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

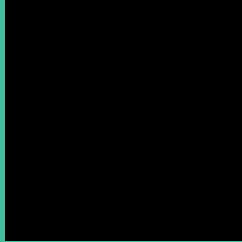
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.0221, 0.2527, 0.3800

Background



This preview shows how black text looks on a background with the Yxy color 40.0221, 0.2527, 0.3800.



This preview shows how white text looks on a background with the Yxy color 40.0221, 0.2527, 0.3800.

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

40.0221, 0.2527, 0.3800

Protanopia

39.3420, 0.3387, 0.3585

Deuteranopia

39.3138, 0.3338, 0.3277



Tritanopia

39.7832, 0.2362, 0.3061

Trichromacy



Original Color

40.0221, 0.2527, 0.3800



Protanomaly

38.5193, 0.2982, 0.3674



Deuteranomaly

37.8645, 0.2946, 0.3440



Tritanomaly

39.6946, 0.2421, 0.3319

Monochromacy



Original Color

40.0221, 0.2527, 0.3800



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

32.7399, 0.2827, 0.3486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0221, 0.2527, 0.3800 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(66, 189, 158)` looks like.

```
.text, #text, p{  
    color:rgb(66, 189, 158)  
}
```

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(66, 189, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 189, 158) }
```

Border

The CSS property to change the border of an element to Yxy 40.0221, 0.2527, 0.3800 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(66, 189, 158) }
```

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

```
.border{ border-color:rgb(66, 189, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 189, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 189, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 189, 158);  
box-shadow:4px 4px 4px 4px rgb(66, 189,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0221, 0.2527, 0.3800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 189, 158) }
```

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

```
.background{ background-color: rgb(66, 189,  
158) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor