

Converting Colors

$Y_{xy}(15.3775, 0.2505, 0.3334)$

Have a look what the booklet for
Yxy(15.3775, 0.2505, 0.3334)
contains.

Yxy(15.3775, 0.2505, 0.3334)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.3775, 0.2505, 0.3334)

Conversions

Conversions Part 1

Format	Color
Hex	3A7775
RGB	58, 119, 117
RGB Percent	23%, 47%, 46%
CMY	0.7725, 0.5333, 0.5411
CMYK	0.51, 0.00, 0.02, 0.53
HSL	178°, 34%, 35%
HSV	178°, 51%, 47%
XYZ	11.5539, 15.3775, 19.1919
YIQ	100.5330, -35.7140, -13.5540

Conversions

Conversions Part 2

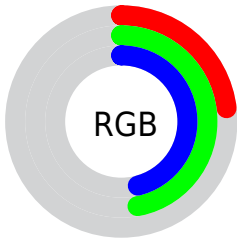
Format	Color
RYB	58, 89, 119
Decimal	3831669
CIELab	46.15, -20.19, -4.99
CIELCh	46, 20.797, 193.875
Yxy	15.3775, 0.2505, 0.3334
Android (android.graphics.Color)	4282021749 (0xFF3A7775)
YUV	100.5330, 8.1182, -37.3014
Hunter-Lab	39.2142, -16.0323, -1.5674

Details

The Yxy color **15.3775, 0.2505, 0.3334** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.2764, 0.4442, 0.3253**, and the grayscale version is **12.8747, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3054, 0.2648, 0.3320**, and **4.8100, 0.2257, 0.3326** is the 20% darker color. If you saturate the color by 10%, you get **15.0525, 0.2425, 0.3344**, and if you desaturate by 10%, it is **15.7862, 0.2601, 0.3324**.

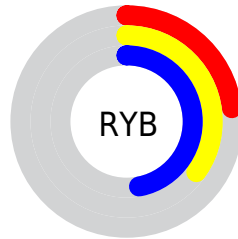
Distribution



 Red (23%)

 Green (47%)

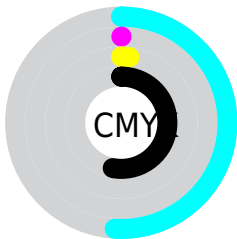
 Blue (46%)




 Red (23%)

 Yellow (35%)

 Blue (47%)

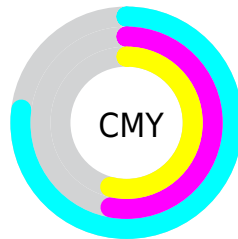


 Cyan (51%)


 Magenta (0%)

 Yellow (2%)

 Black (53%)



 Cyan (77%)

 Magenta (53%)

 Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.3775, 0.2505, 0.3334 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 15.3775, 0.2505, 0.3334 by changing the saturation by 10% instead.

15.3775, 0.2505,
0.3334

15.3775, 0.2505,
0.3334

225.6399, 0.2868,
0.3314

9.0848, 0.2391,
0.3337

35.5141, 0.2652,
0.3328

4.7965, 0.2228,
0.3338

50.1267, 0.2703,
0.3325

2.1284, 0.1974,
0.3330

68.2814, 0.2743,
0.3323

0.6805, 0.0798,
0.3527

90.3626, 0.2777,
0.3321

0.0000, 0.0000,
0.0000

116.7546, 0.2805,
0.3319

147.8419, 0.2829,

0.3317

184.0089, 0.2850,
0.3315

■ 15.3775, 0.2505,
0.3334

■ 15.3775, 0.2505,
0.3334

■ 15.0525, 0.2425,
0.3344

■ 15.7862, 0.2601,
0.3324

■ 14.8036, 0.2363,
0.3354

■ 16.2821, 0.2712,
0.3315

■ 14.6250, 0.2318,
0.3364

■ 16.8704, 0.2835,
0.3306

■ 14.5090, 0.2290,
0.3374

■ 17.5557, 0.2968,
0.3298

■ 14.4339, 0.2273,
0.3383

■ 18.3421, 0.3109,
0.3291

■ 19.2335, 0.3255,
0.3284

■ 20.2336, 0.3404,
0.3278

■ 21.3459, 0.3553,
0.3273

■ 22.5738, 0.3700,
0.3268

Harmonies

Analogous

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



15.3775, 0.2816, 0.3738



15.3775, 0.2505, 0.3334



15.3775, 0.2359, 0.2950

Triad

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



15.3775, 0.2505, 0.3334



15.3775, 0.2986, 0.2685



15.3775, 0.3898, 0.3847

Complementary

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



15.3775, 0.2505, 0.3334



7.2764, 0.4442, 0.3253

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.



15.3775, 0.3962, 0.3540



15.3775, 0.2505, 0.3334



15.3775, 0.3415, 0.2895

Square

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



15.3775, 0.2505, 0.3334



15.3775, 0.2621, 0.2610



15.3775, 0.3781, 0.3199



15.3775, 0.3622, 0.4032

Rectangle

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



15.3775, 0.2505, 0.3334



15.3775, 0.2366, 0.2763



15.3775, 0.3781, 0.3199



15.3775, 0.3946, 0.3753

Sweetspot

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



15.3781, 0.2505, 0.3334



30.9088, 0.2912, 0.3302



14.4614, 0.3076, 0.4820



7.2754, 0.2889, 0.3303



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



15.3781, 0.2505, 0.3334



26.8897, 0.2416, 0.3345



9.6362, 0.2356, 0.2586



4.1533, 0.2999, 0.3297



15.3353, 0.2273, 0.3384



74.7051, 0.2275, 0.3389

Inverse Universe

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



7.2764, 0.4442, 0.3253



10.6923, 0.4920, 0.3249



10.9596, 0.4162, 0.3886



3.7026, 0.3271, 0.3283



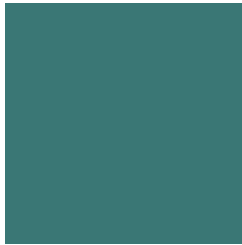
4.1756, 0.6345, 0.3269



20.3234, 0.6377, 0.3287

Previews

White Background



This preview shows how the Yxy color 15.3775, 0.2505, 0.3334 looks on a white 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 × Fail

Black Background



This preview shows how the Yxy color 15.3775, 0.2505, 0.3334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

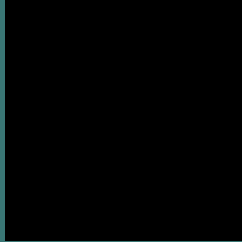
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.3775, 0.2505, 0.3334

Background



This preview shows how black text looks on a background with the Yxy color 15.3775, 0.2505, 0.3334.



This preview shows how white text looks on a background with the Yxy color 15.3775, 0.2505, 0.3334.

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

15.3775, 0.2505, 0.3334

Protanopia

15.1878, 0.3116, 0.3228

Deuteranopia

15.2415, 0.3059, 0.3011



Tritanopia

15.2470, 0.2436, 0.3065

Trichromacy



Original Color

15.3775, 0.2505, 0.3334

Protanomaly

15.0047, 0.2850, 0.3267

Deuteranomaly

15.0805, 0.2819, 0.3119

Tritanomaly

15.3476, 0.2465, 0.3175

Monochromacy



Original Color

15.3775, 0.2505, 0.3334

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.7180, 0.2840, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.3775, 0.2505, 0.3334 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(58, 119, 117)` looks like.

```
.text, #text, p{  
    color:rgb(58, 119, 117)  
}
```

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(58, 119, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 119, 117) }
```

Border

The CSS property to change the border of an element to Yxy 15.3775, 0.2505, 0.3334 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(58, 119, 117) }
```

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

```
.border{ border-color:rgb(58, 119, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 119, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 119, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 119, 117);  
box-shadow:4px 4px 4px 4px rgb(58, 119,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 15.3775, 0.2505, 0.3334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 119, 117) }
```

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

```
.background{ background-color: rgb(58, 119,  
117) }
```

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