

Converting Colors

$Y_{xy}(15.7052, 0.2549, 0.3422)$

Have a look what the booklet for
Yxy(15.7052, 0.2549, 0.3422)
contains.

Yxy(15.6314, 0.2542, 0.3404)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.6314, 0.2542, 0.3404)

Conversions

Conversions Part 1

Format	Color
Hex	3C7873
RGB	60, 120, 115
RGB Percent	24%, 47%, 45%
CMY	0.7647, 0.5294, 0.5491
CMYK	0.50, 0.00, 0.04, 0.53
HSL	175°, 33%, 35%
HSV	175°, 50%, 47%
XYZ	11.6730, 15.6314, 18.6162
YIQ	101.4900, -34.1550, -14.2750

Conversions

Conversions Part 2

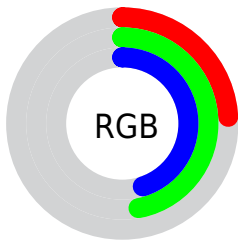
Format	Color
RYB	60, 91, 120
Decimal	3962995
CIELab	46.49, -20.81, -3.27
CIELCh	46, 21.063, 188.926
Yxy	15.6314, 0.2542, 0.3404
Android (android.graphics.Color)	4282153075 (0xFF3C7873)
YUV	101.4900, 6.6604, -36.3867
Hunter-Lab	39.5366, -16.4875, -0.2418

Details

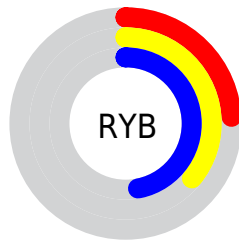
The Yxy color **15.6314, 0.2542, 0.3404** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.6058, 0.4326, 0.3189**, and the grayscale version is **13.1357, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1219, 0.2679, 0.3384**, and **4.9117, 0.2290, 0.3443** is the 20% darker color. If you saturate the color by 10%, you get **15.2768, 0.2464, 0.3431**, and if you desaturate by 10%, it is **16.0723, 0.2636, 0.3378**.

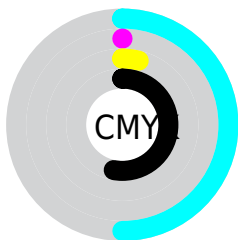
Distribution



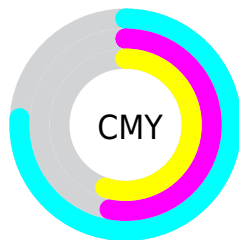
- Red (24%)
- Green (47%)
- Blue (45%)



- Red (24%)
- Yellow (36%)
- Blue (47%)



- Cyan (50%)
- Magenta (0%)
- Yellow (4%)
- Black (53%)




- Cyan (76%)
- Magenta (53%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6314, 0.2542, 0.3404 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 15.6314, 0.2542, 0.3404 by changing the saturation by 10% instead.


 15.6314, 0.2542,
0.3404


 15.6314, 0.2542,
0.3404


227.1568, 0.2884,
0.3341


 9.2637, 0.2435,
0.3421


 35.9571, 0.2681,
0.3380


 4.9136, 0.2280,
0.3445

 50.6839, 0.2728,
0.3371

 2.1966, 0.2039,
0.3475

 68.9659, 0.2766,
0.3364

 0.7182, 0.0917,
0.3772

 91.1874, 0.2798,
0.3358

 0.0000, 0.0000,
0.0000

 117.7328, 0.2825,
0.3353

 148.9866, 0.2847,

0.3348

185.3331, 0.2867,
0.3345

■ 15.6314, 0.2542,
0.3404

■ 15.6314, 0.2542,
0.3404

■ 15.2768, 0.2464,
0.3431

■ 16.0723, 0.2636,
0.3378

■ 15.0008, 0.2403,
0.3458

■ 16.6028, 0.2744,
0.3354

■ 14.7975, 0.2359,
0.3485

■ 17.2285, 0.2863,
0.3331

■ 14.6593, 0.2332,
0.3512

■ 17.9538, 0.2992,
0.3310

■ 14.5593, 0.2316,
0.3539

■ 18.7829, 0.3127,
0.3290

■ 19.7199, 0.3266,
0.3272

■ 20.7684, 0.3407,
0.3256

■ 21.9320, 0.3548,
0.3242

■ 23.2142, 0.3687,
0.3230

Harmonies

Analogous

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



15.6314, 0.2877, 0.3799



15.6314, 0.2542, 0.3404



15.6314, 0.2365, 0.3004

Triad

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



15.6314, 0.2542, 0.3404



15.6314, 0.2917, 0.2658



15.6314, 0.3931, 0.3805

Complementary

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



15.6314, 0.2542, 0.3404



7.6058, 0.4326, 0.3189

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.



15.6314, 0.3954, 0.3485



15.6314, 0.2542, 0.3404



15.6314, 0.3346, 0.2850

Square

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



15.6314, 0.2542, 0.3404



15.6314, 0.2570, 0.2608



15.6314, 0.3735, 0.3144



15.6314, 0.3682, 0.4019

Rectangle

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



15.6314, 0.2542, 0.3404



15.6314, 0.2351, 0.2799



15.6314, 0.3735, 0.3144



15.6314, 0.3966, 0.3706

Sweetspot

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



15.6320, 0.2542, 0.3404



30.8690, 0.2922, 0.3321



14.9183, 0.3121, 0.4761



7.2649, 0.2900, 0.3325



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.



15.6320, 0.2542, 0.3404



26.7873, 0.2454, 0.3434



10.6821, 0.2392, 0.2707



4.5069, 0.3004, 0.3308



15.8808, 0.2317, 0.3540



75.6916, 0.2321, 0.3554

Inverse Universe

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



7.6058, 0.4326, 0.3189



10.9349, 0.4780, 0.3175



10.6596, 0.4174, 0.3793



4.0200, 0.3265, 0.3272



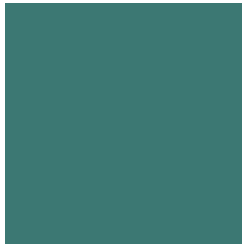
4.3791, 0.6263, 0.3224



20.8342, 0.6331, 0.3261

Previews

White Background



This preview shows how the Yxy color 15.6314, 0.2542, 0.3404 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 15.6314, 0.2542, 0.3404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

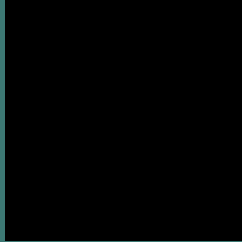
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.6314, 0.2542, 0.3404

Background



This preview shows how black text looks on a background with the Yxy color 15.6314, 0.2542, 0.3404.



This preview shows how white text looks on a background with the Yxy color 15.6314, 0.2542, 0.3404.

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

15.6314, 0.2542, 0.3404

Protanopia

15.4861, 0.3168, 0.3290

Deuteranopia

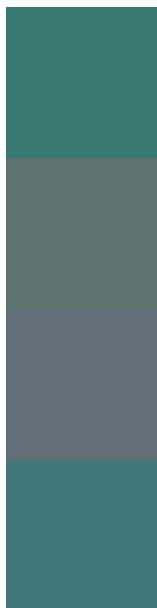
15.3291, 0.3111, 0.3052



Tritanopia

15.6054, 0.2455, 0.3068

Trichromacy



Original Color

15.6314, 0.2542, 0.3404

Protanomaly

15.2851, 0.2897, 0.3333

Deuteranomaly

15.1400, 0.2865, 0.3162

Tritanomaly

15.6805, 0.2493, 0.3199

Monochromacy



Original Color

15.6314, 0.2542, 0.3404

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.7442, 0.2864, 0.3335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6314, 0.2542, 0.3404 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(60, 120, 115)` looks like.

```
.text, #text, p{  
    color:rgb(60, 120, 115)  
}
```

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(60, 120, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 120, 115) }
```

Border

The CSS property to change the border of an element to Yxy 15.6314, 0.2542, 0.3404 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(60, 120, 115) }
```

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

```
.border{ border-color:rgb(60, 120, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 120, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 120, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 120, 115);  
box-shadow:4px 4px 4px 4px rgb(60, 120,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6314, 0.2542, 0.3404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 120, 115) }
```

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

```
.background{ background-color: rgb(60, 120,  
115) }
```

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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