

Converting Colors

$Yxy(16.2894, 0.2547, 0.3422)$

Have a look what the booklet for
Yxy(16.2894, 0.2547, 0.3422)
contains.

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Color

$Y_{xy}(16.1955, 0.2540, 0.3402)$

Conversions

Conversions Part 1

Format	Color
Hex	3D7A75
RGB	61, 122, 117
RGB Percent	24%, 48%, 46%
CMY	0.7610, 0.5215, 0.5412
CMYK	0.50, 0.00, 0.04, 0.52
HSL	175°, 33%, 36%
HSV	175°, 50%, 48%
XYZ	12.0919, 16.1955, 19.3184
YIQ	103.1910, -34.7510, -14.4870

Conversions

Conversions Part 2

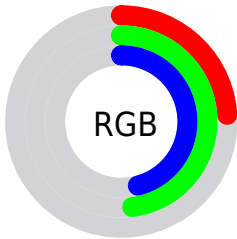
Format	Color
RYB	61, 93, 122
Decimal	4029045
CIELab	47.23, -21.07, -3.37
CIELCh	47, 21.339, 189.076
Yxy	16.1955, 0.2540, 0.3402
Android (android.graphics.Color)	4282219125 (0xFF3D7A75)
YUV	103.1910, 6.8078, -37.0015
Hunter-Lab	40.2436, -16.7930, -0.2909

Details

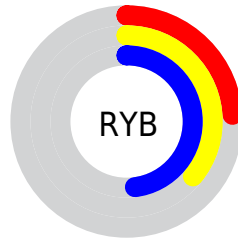
The Yxy color **16.1955, 0.2540, 0.3402** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.8618, 0.4333, 0.3191**, and the grayscale version is **13.6016, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0352, 0.2676, 0.3383**, and **5.1948, 0.2289, 0.3440** is the 20% darker color. If you saturate the color by 10%, you get **15.8290, 0.2462, 0.3428**, and if you desaturate by 10%, it is **16.6516, 0.2634, 0.3377**.

Distribution



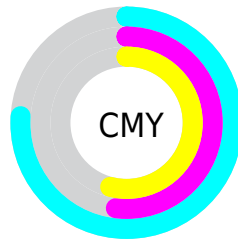
- Red (24%)
- Green (48%)
- Blue (46%)



- Red (24%)
- Yellow (36%)
- Blue (48%)



- Cyan (50%)
- Magenta (0%)
- Yellow (4%)
- Black (52%)





- Cyan (76%)
- Magenta (52%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.1955, 0.2540, 0.3402 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 16.1955, 0.2540, 0.3402 by changing the saturation by 10% instead.


 16.1955, 0.2540,
0.3402


 16.1955, 0.2540,
0.3402


230.4926, 0.2881,
0.3341


 9.6626, 0.2434,
0.3419


 36.9373, 0.2678,
0.3379

 5.1758, 0.2282,
0.3441

 51.9149, 0.2725,
0.3370

 2.3508, 0.2046,
0.3470

 70.4763, 0.2764,
0.3363

 0.8004, 0.1140,
0.3704

 93.0058, 0.2795,
0.3357

 0.0000, 0.0000,
0.0000

 119.8877, 0.2822,
0.3352

151.5066, 0.2844,

0.3348

188.2467, 0.2864,
0.3344

■ 16.1955, 0.2540,
0.3402

■ 16.1955, 0.2540,
0.3402

■ 15.8290, 0.2462,
0.3428

■ 16.6516, 0.2634,
0.3377

■ 15.5442, 0.2401,
0.3455

■ 17.2008, 0.2742,
0.3353

■ 15.3348, 0.2357,
0.3481

■ 17.8490, 0.2862,
0.3330

■ 15.1930, 0.2331,
0.3508

■ 18.6006, 0.2991,
0.3309

■ 15.0916, 0.2315,
0.3534

■ 19.4603, 0.3126,
0.3290

■ 20.4319, 0.3266,
0.3273

■ 21.5196, 0.3408,
0.3257

■ 22.7270, 0.3549,
0.3243

■ 24.0577, 0.3689,
0.3231

Harmonies

Analogous

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



16.1955, 0.2874, 0.3798



16.1955, 0.2540, 0.3402



16.1955, 0.2364, 0.3002

Triad

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



16.1955, 0.2540, 0.3402



16.1955, 0.2919, 0.2658



16.1955, 0.3931, 0.3807

Complementary

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



16.1955, 0.2540, 0.3402



7.8618, 0.4333, 0.3191

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.



16.1955, 0.3956, 0.3487



16.1955, 0.2540, 0.3402



16.1955, 0.3348, 0.2851

Square

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



16.1955, 0.2540, 0.3402



16.1955, 0.2571, 0.2607



16.1955, 0.3738, 0.3145



16.1955, 0.3681, 0.4020

Rectangle

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



16.1955, 0.2540, 0.3402



16.1955, 0.2351, 0.2797



16.1955, 0.3738, 0.3145



16.1955, 0.3967, 0.3708

Sweetspot

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



16.1961, 0.2540, 0.3402



31.9934, 0.2922, 0.3320



15.4171, 0.3110, 0.4770



7.2653, 0.2900, 0.3324



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.



16.1961, 0.2540, 0.3402



27.7648, 0.2452, 0.3432



10.8644, 0.2385, 0.2680



4.5070, 0.3004, 0.3307



15.8855, 0.2315, 0.3535



75.7154, 0.2319, 0.3549

Inverse Universe

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



7.8618, 0.4333, 0.3191



11.3161, 0.4787, 0.3177



11.1917, 0.4167, 0.3814



4.0199, 0.3265, 0.3273



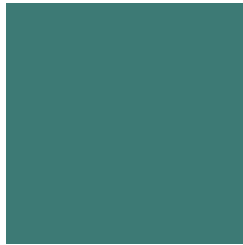
4.3787, 0.6266, 0.3225



20.8326, 0.6333, 0.3262

Previews

White Background



This preview shows how the Yxy color 16.1955, 0.2540, 0.3402 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 16.1955, 0.2540, 0.3402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

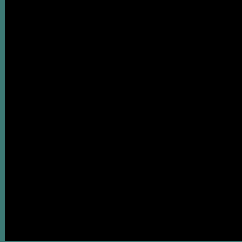
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1955, 0.2540, 0.3402

Background



This preview shows how black text looks on a background with the Yxy color 16.1955, 0.2540, 0.3402.



This preview shows how white text looks on a background with the Yxy color 16.1955, 0.2540, 0.3402.

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

16.1955, 0.2540, 0.3402

Protanopia

16.0940, 0.3167, 0.3290

Deuteranopia

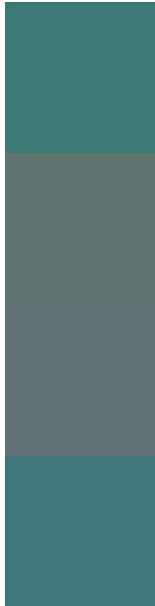
15.9327, 0.3111, 0.3055



Tritanopia

16.1685, 0.2455, 0.3071

Trichromacy



Original Color

16.1955, 0.2540, 0.3402

Protanomaly

15.8866, 0.2901, 0.3332

Deuteranomaly

15.6836, 0.2857, 0.3163

Tritanomaly

16.2454, 0.2492, 0.3200

Monochromacy



Original Color

16.1955, 0.2540, 0.3402

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

14.3093, 0.2868, 0.3334

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1955, 0.2540, 0.3402 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(61, 122, 117)` looks like.

```
.text, #text, p{  
    color:rgb(61, 122, 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(61, 122, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 122, 117) }
```

Border

The CSS property to change the border of an element to Yxy 16.1955, 0.2540, 0.3402 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(61, 122, 117) }
```

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

```
.border{ border-color:rgb(61, 122, 117) }
```

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

Here you see how a box with a 4 pixel rgb(61, 122, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 122, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 122, 117);  
box-shadow:4px 4px 4px 4px rgb(61, 122,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1955, 0.2540, 0.3402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 122, 117) }
```

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

```
.background{ background-color: rgb(61, 122,  
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](#).

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