

Converting Colors

$Y_{xy}(15.9703, 0.2395, 0.3165)$

Have a look what the booklet for
Yxy(15.9703, 0.2395, 0.3165)
contains.

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Color

Yxy(15.9371, 0.2391, 0.3153)

Conversions

Conversions Part 1

Format	Color
Hex	34797F
RGB	52, 121, 127
RGB Percent	20%, 47%, 50%
CMY	0.7960, 0.5255, 0.5019
CMYK	0.59, 0.05, 0.00, 0.50
HSL	185°, 42%, 35%
HSV	185°, 59%, 50%
XYZ	12.0855, 15.9371, 22.5232
YIQ	101.0530, -43.0500, -12.7620

Conversions

Conversions Part 2

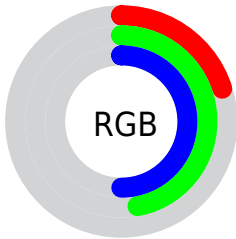
Format	Color
RYB	52, 88, 127
Decimal	3438975
CIELab	46.89, -19.66, -9.85
CIElCh	47, 21.987, 206.609
Yxy	15.9371, 0.2391, 0.3153
Android (android.graphics.Color)	4281629055 (0xFF34797F)
YUV	101.0530, 12.7919, -43.0195
Hunter-Lab	39.9213, -15.8244, -5.5060

Details

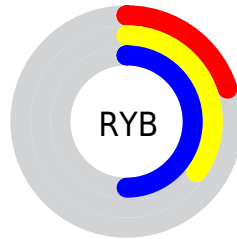
The Yxy color **15.9371, 0.2391, 0.3153** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.7906, 0.4764, 0.3408**, and the grayscale version is **13.0043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6316, 0.2557, 0.3195**, and **5.1848, 0.2186, 0.3070** is the 20% darker color. If you saturate the color by 10%, you get **15.3983, 0.2314, 0.3127**, and if you desaturate by 10%, it is **16.5704, 0.2485, 0.3179**.

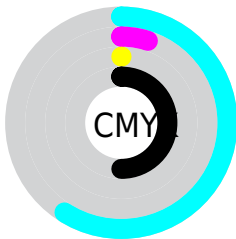
Distribution



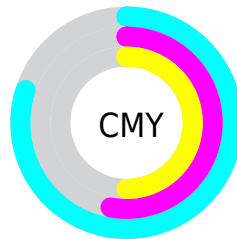
- Red (20%)
- Green (47%)
- Blue (50%)



- Red (20%)
- Yellow (35%)
- Blue (50%)



- Cyan (59%)
- Magenta (5%)
- Yellow (0%)
- Black (50%)





- Cyan (80%)
- Magenta (53%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.9371, 0.2391, 0.3153 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 15.9371, 0.2391, 0.3153 by changing the saturation by 10% instead.


 15.9371, 0.2391,
0.3153


 15.9371, 0.2391,
0.3153


228.9703, 0.2815,
0.3243


 9.4797, 0.2262,
0.3119


 36.4890, 0.2561,
0.3193


 5.0553, 0.2079,
0.3065

 51.3522, 0.2620,
0.3206

 2.2798, 0.1804,
0.2969

 69.7861, 0.2668,
0.3215

 0.7630, 0.0929,
0.2889

 92.1752, 0.2707,
0.3223

 0.0000, 0.0000,
0.0000

 118.9037, 0.2740,
0.3230

 150.3561, 0.2769,

0.3235

186.9169, 0.2793,
0.3239

■ 15.9371, 0.2391,
0.3153

■ 15.9371, 0.2391,
0.3153

■ 15.3983, 0.2314,
0.3127

■ 16.5704, 0.2485,
0.3179

■ 14.9449, 0.2254,
0.3100

■ 17.3031, 0.2595,
0.3204

■ 14.5686, 0.2212,
0.3074

■ 18.1418, 0.2718,
0.3228

■ 14.2452, 0.2182,
0.3048

■ 19.0920, 0.2852,
0.3251

■ 14.2148, 0.2179,
0.3045

■ 20.1589, 0.2994,
0.3272

■ 21.3473, 0.3141,
0.3292

■ 22.6618, 0.3292,
0.3310

■ 24.1067, 0.3443,
0.3326

■ 25.6860, 0.3593,
0.3340

Harmonies

Analogous

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



15.9371, 0.2646, 0.3587



15.9371, 0.2391, 0.3153



15.9371, 0.2322, 0.2801

Triad

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



15.9371, 0.2391, 0.3153



15.9371, 0.3168, 0.2738



15.9371, 0.3831, 0.3974

Complementary

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



15.9371, 0.2391, 0.3153



7.7906, 0.4764, 0.3408

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.



15.9371, 0.4002, 0.3693



15.9371, 0.2391, 0.3153



15.9371, 0.3606, 0.3004

Square

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



15.9371, 0.2391, 0.3153



15.9371, 0.2746, 0.2596



15.9371, 0.3921, 0.3343



15.9371, 0.3475, 0.4085

Rectangle

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



15.9371, 0.2391, 0.3153



15.9371, 0.2384, 0.2655



15.9371, 0.3921, 0.3343



15.9371, 0.3913, 0.3894

Sweetspot

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



15.9377, 0.2391, 0.3153



34.2923, 0.2860, 0.3252



16.2090, 0.3004, 0.4996



7.9235, 0.2826, 0.3247



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



15.9377, 0.2391, 0.3153



27.2546, 0.2290, 0.3117



8.6841, 0.2200, 0.2258



4.8297, 0.2993, 0.3272



14.3312, 0.2179, 0.3045



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.3510, 0.3295, 0.2048



12.6102, 0.3338, 0.1849



12.8587, 0.4288, 0.4107



4.4067, 0.3148, 0.3094



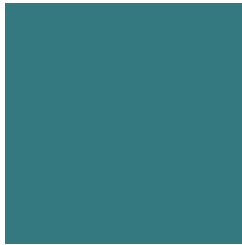
5.8412, 0.3415, 0.1655



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.9371, 0.2391, 0.3153 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 15.9371, 0.2391, 0.3153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

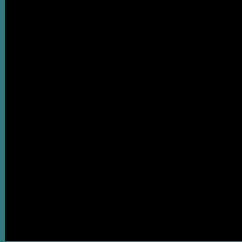
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.9371, 0.2391, 0.3153

Background



This preview shows how black text looks on a background with the Yxy color 15.9371, 0.2391, 0.3153.



This preview shows how white text looks on a background with the Yxy color 15.9371, 0.2391, 0.3153.

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

15.9371, 0.2391, 0.3153

Protanopia

15.8229, 0.3005, 0.3089

Deuteranopia

15.7816, 0.2913, 0.2860



Tritanopia

15.8015, 0.2370, 0.3066

Trichromacy



Original Color

15.9371, 0.2391, 0.3153

Protanomaly

15.5885, 0.2725, 0.3098

Deuteranomaly

15.5689, 0.2673, 0.2955

Tritanomaly

15.7748, 0.2377, 0.3087

Monochromacy



Original Color

15.9371, 0.2391, 0.3153

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.6899, 0.2782, 0.3243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9371, 0.2391, 0.3153 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(52, 121, 127)` looks like.

```
.text, #text, p{  
  color:rgb(52, 121, 127)  
}
```

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(52, 121, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 121, 127) }
```

Border

The CSS property to change the border of an element to Yxy 15.9371, 0.2391, 0.3153 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(52, 121, 127) }
```

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

```
.border{ border-color:rgb(52, 121, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 121, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 121, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 121, 127);  
box-shadow:4px 4px 4px 4px rgb(52, 121,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9371, 0.2391, 0.3153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 121, 127) }
```

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

```
.background{ background-color: rgb(52, 121,  
127) }
```

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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