

Converting Colors

$Y_{xy}(15.7986, 0.2350, 0.3545)$

Have a look what the booklet for
Yxy(15.7986, 0.2350, 0.3545)
contains.

Yxy(15.7404, 0.2345, 0.3529)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(15.7404, 0.2345, 0.3529)$

Conversions

Conversions Part 1

Format	Color
Hex	107C72
RGB	16, 124, 114
RGB Percent	6%, 49%, 45%
CMY	0.9368, 0.5137, 0.5530
CMYK	0.87, 0.00, 0.08, 0.51
HSL	174°, 77%, 27%
HSV	174°, 87%, 49%
XYZ	10.4594, 15.7404, 18.4032
YIQ	90.5680, -61.1580, -26.0060

Conversions

Conversions Part 2

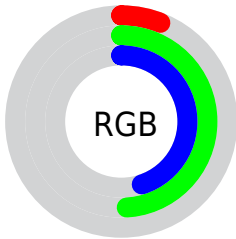
Format	Color
RYB	16, 73, 124
Decimal	1080434
CIELab	46.63, -30.36, -2.59
CIElCh	47, 30.473, 184.882
Yxy	15.7404, 0.2345, 0.3529
Android (android.graphics.Color)	4279270514 (0xFF107C72)
YUV	90.5680, 11.5520, -65.3961
Hunter-Lab	39.6742, -22.3714, 0.2698

Details

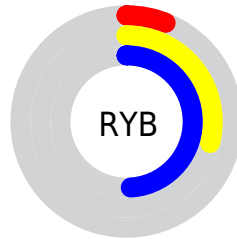
The Yxy color **15.7404, 0.2345, 0.3529** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4.7341, 0.5845, 0.3186**, and the grayscale version is **10.3501, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0823, 0.2525, 0.3469**, and **5.2909, 0.2332, 0.3595** is the 20% darker color. If you saturate the color by 10%, you get **15.6278, 0.2329, 0.3559**, and if you desaturate by 10%, it is **15.9104, 0.2376, 0.3499**.

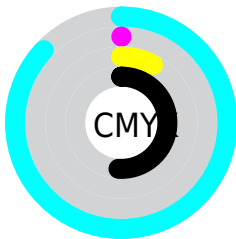
Distribution



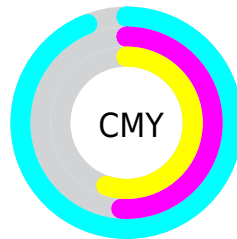
- Red (6%)
- Green (49%)
- Blue (45%)



- Red (6%)
- Yellow (29%)
- Blue (49%)



- Cyan (87%)
- Magenta (0%)
- Yellow (8%)
- Black (51%)




- Cyan (94%)
- Magenta (51%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7404, 0.2345, 0.3529 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 15.7404, 0.2345, 0.3529 by changing the saturation by 10% instead.


 15.7404, 0.2345,
0.3529


 15.7404, 0.2345,
0.3529


 227.8050, 0.2800,
0.3394


 9.3406, 0.2204,
0.3568


 36.1469, 0.2529,
0.3476


 4.9640, 0.2002,
0.3622

 50.9225, 0.2592,
0.3457


 2.2262, 0.1694,
0.3697

 69.2588, 0.2643,
0.3442

 0.7342, 0.0000,
0.4281

 91.5402, 0.2685,
0.3429

 0.0000, 0.0000,
0.0000

 118.1511, 0.2721,
0.3418

 149.4760, 0.2751,

0.3409

185.8991, 0.2777,
0.3401

■ 15.7404, 0.2345,
0.3529

■ 15.7404, 0.2345,
0.3529

■ 15.6278, 0.2329,
0.3559

■ 15.9104, 0.2376,
0.3499

■ 15.5961, 0.2325,
0.3568

■ 16.1525, 0.2424,
0.3468

■ 16.4753, 0.2489,
0.3438

■ 16.8855, 0.2572,
0.3409

■ 17.3894, 0.2670,
0.3380

■ 17.9924, 0.2781,
0.3354

■ 18.6997, 0.2902,
0.3328

■ 19.5160, 0.3032,
0.3305

■ 20.4459, 0.3168,
0.3284

Harmonies

Analogous

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



15.7404, 0.2830, 0.4115



15.7404, 0.2345, 0.3529



15.7404, 0.2079, 0.2928

Triad

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



15.7404, 0.2345, 0.3529



15.7404, 0.2743, 0.2392



15.7404, 0.4301, 0.3932

Complementary

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



15.7404, 0.2345, 0.3529



4.7341, 0.5845, 0.3186

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.



15.7404, 0.4302, 0.3470



15.7404, 0.2345, 0.3529



15.7404, 0.3348, 0.2631

Square

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



15.7404, 0.2345, 0.3529



15.7404, 0.2292, 0.2343



15.7404, 0.3941, 0.3011



15.7404, 0.3967, 0.4296

Rectangle

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



15.7404, 0.2345, 0.3529



15.7404, 0.2041, 0.2627



15.7404, 0.3941, 0.3011



15.7404, 0.4343, 0.3783

Sweetspot

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



15.7410, 0.2345, 0.3529



31.7077, 0.2785, 0.3353



14.6846, 0.3057, 0.5791



7.3922, 0.2752, 0.3360



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



15.7410, 0.2345, 0.3529



27.4350, 0.2327, 0.3575



7.4281, 0.1975, 0.2162



4.5063, 0.3005, 0.3310



15.8549, 0.2325, 0.3569



75.5625, 0.2329, 0.3584

Inverse Universe

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



4.7341, 0.5845, 0.3186



7.5750, 0.6281, 0.3234



7.4782, 0.5290, 0.3962



4.0205, 0.3264, 0.3270



4.3818, 0.6248, 0.3215



20.8431, 0.6320, 0.3255

Previews

White Background



This preview shows how the Yxy color 15.7404, 0.2345, 0.3529 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 15.7404, 0.2345, 0.3529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

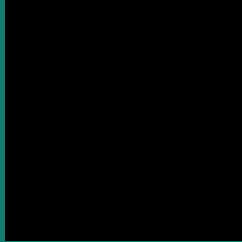
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 15.7404, 0.2345, 0.3529

Background



This preview shows how black text looks on a background with the Yxy color 15.7404, 0.2345, 0.3529.



This preview shows how white text looks on a background with the Yxy color 15.7404, 0.2345, 0.3529.

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

15.7404, 0.2345, 0.3529

Protanopia

15.7032, 0.3218, 0.3372

Deuteranopia

15.6053, 0.3124, 0.3073



Tritanopia

15.6368, 0.2263, 0.3061

Trichromacy



Original Color

15.7404, 0.2345, 0.3529

Protanomaly

14.9853, 0.2751, 0.3426

Deuteranomaly

14.8001, 0.2686, 0.3200

Tritanomaly

15.6327, 0.2288, 0.3218

Monochromacy



Original Color

15.7404, 0.2345, 0.3529

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.6913, 0.2673, 0.3390

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7404, 0.2345, 0.3529 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(16, 124, 114)` looks like.

```
.text, #text, p{  
    color:rgb(16, 124, 114)  
}
```

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(16, 124, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 124, 114) }
```

Border

The CSS property to change the border of an element to Yxy 15.7404, 0.2345, 0.3529 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(16, 124, 114) }
```

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

```
.border{ border-color:rgb(16, 124, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 124, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 124, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 124, 114);  
box-shadow:4px 4px 4px 4px rgb(16, 124,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7404, 0.2345, 0.3529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 124, 114) }
```

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

```
.background{ background-color: rgb(16, 124,  
114) }
```

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