

Converting Colors

$Y_{xy}(15.4618, 0.2363, 0.3426)$

Have a look what the booklet for
Yxy(15.4618, 0.2363, 0.3426)
contains.

Yxy(15.4560, 0.2364, 0.3431)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(15.4560, 0.2364, 0.3431)$

Conversions

Conversions Part 1

Format	Color
Hex	1E7A74
RGB	30, 122, 116
RGB Percent	12%, 48%, 45%
CMY	0.8819, 0.5216, 0.5451
CMYK	0.75, 0.00, 0.05, 0.52
HSL	176°, 60%, 30%
HSV	176°, 75%, 48%
XYZ	10.6494, 15.4560, 18.9427
YIQ	93.8080, -52.9060, -21.3700

Conversions

Conversions Part 2

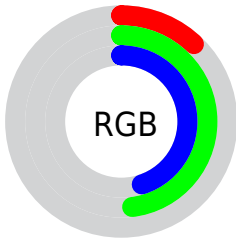
Format	Color
R _Y B	30, 78, 122
Decimal	1997428
CIE Lab	46.25, -27.28, -4.32
CIE LCh	46, 27.624, 188.992
Yxy	15.4560, 0.2364, 0.3431
Android (android.graphics.Color)	4280187508 (0xFF1E7A74)
YUV	93.8080, 10.9407, -55.9596
Hunter-Lab	39.3141, -20.4478, -1.0478

Details

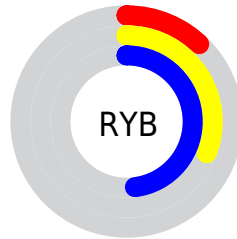
The Yxy color **15.4560, 0.2364, 0.3431** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **5.1998, 0.5430, 0.3204**, and the grayscale version is **11.1365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.7112, 0.2545, 0.3403**, and **5.1824, 0.2300, 0.3479** is the 20% darker color. If you saturate the color by 10%, you get **15.2881, 0.2329, 0.3452**, and if you desaturate by 10%, it is **15.6964, 0.2417, 0.3410**.

Distribution



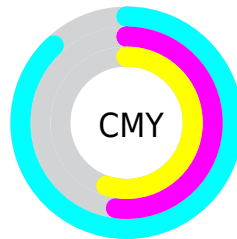
- Red (12%)
- Green (48%)
- Blue (45%)



- Red (12%)
- Yellow (31%)
- Blue (48%)



- Cyan (75%)
- Magenta (0%)
- Yellow (5%)
- Black (52%)




- Cyan (88%)
- Magenta (52%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 15.4560, 0.2364, 0.3431 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 15.4560, 0.2364, 0.3431 by changing the saturation by 10% instead.


 15.4560, 0.2364,
0.3431


 15.4560, 0.2364,
0.3431


 226.1099, 0.2808,
0.3355

 9.1400, 0.2226,
0.3450


 35.6512, 0.2543,
0.3403


 4.8326, 0.2029,
0.3474

 50.2992, 0.2605,
0.3392

 2.1494, 0.1728,
0.3501

 68.4933, 0.2655,
0.3384

 0.6922, 0.0000,
0.3954

 90.6180, 0.2696,
0.3376

 0.0000, 0.0000,
0.0000

 117.0576, 0.2731,
0.3370

 148.1965, 0.2760,

0.3364

184.4192, 0.2786,
0.3360

■ 15.4560, 0.2364,
0.3431

■ 15.4560, 0.2364,
0.3431

■ 15.2881, 0.2329,
0.3452

■ 15.6964, 0.2417,
0.3410

■ 15.1789, 0.2309,
0.3473

■ 16.0148, 0.2487,
0.3389

■ 15.1335, 0.2301,
0.3483

■ 16.4184, 0.2575,
0.3369

■ 16.9129, 0.2677,
0.3350

■ 17.5035, 0.2793,
0.3331

■ 18.1951, 0.2919,
0.3314

■ 18.9923, 0.3053,
0.3298

■ 19.8993, 0.3193,
0.3283

■ 20.9201, 0.3337,
0.3270

Harmonies

Analogous

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



15.4560, 0.2789, 0.3974



15.4560, 0.2364, 0.3431



15.4560, 0.2146, 0.2900

Triad

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



15.4560, 0.2364, 0.3431



15.4560, 0.2848, 0.2482



15.4560, 0.4177, 0.3941

Complementary

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



15.4560, 0.2364, 0.3431



5.1998, 0.5430, 0.3204

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.



15.4560, 0.4219, 0.3523



15.4560, 0.2364, 0.3431



15.4560, 0.3410, 0.2724

Square

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



15.4560, 0.2364, 0.3431



15.4560, 0.2405, 0.2412



15.4560, 0.3930, 0.3093



15.4560, 0.3841, 0.4243

Rectangle

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



15.4560, 0.2364, 0.3431



15.4560, 0.2131, 0.2641



15.4560, 0.3930, 0.3093



15.4560, 0.4227, 0.3809

Sweetspot

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



15.4566, 0.2364, 0.3431



30.9972, 0.2814, 0.3328



14.3918, 0.3060, 0.5553



7.0110, 0.2778, 0.3333



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.



15.4566, 0.2364, 0.3431



26.7600, 0.2314, 0.3466



7.7448, 0.2061, 0.2254



4.5081, 0.3002, 0.3304



15.9339, 0.2301, 0.3483



75.9575, 0.2304, 0.3494

Inverse Universe

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



5.1998, 0.5430, 0.3204



7.7149, 0.6072, 0.3235



8.6032, 0.4883, 0.4021



4.0189, 0.3267, 0.3276



4.3741, 0.6293, 0.3240



20.8185, 0.6351, 0.3272

Previews

White Background



This preview shows how the Yxy color 15.4560, 0.2364, 0.3431 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 15.4560, 0.2364, 0.3431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

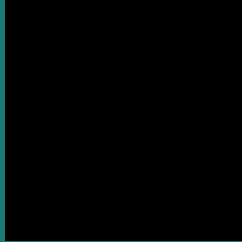
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.4560, 0.2364, 0.3431

Background



This preview shows how black text looks on a background with the Yxy color 15.4560, 0.2364, 0.3431.



This preview shows how white text looks on a background with the Yxy color 15.4560, 0.2364, 0.3431.

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

15.4560, 0.2364, 0.3431

Protanopia

15.1873, 0.3168, 0.3290

Deuteranopia

15.2848, 0.3085, 0.3031



Tritanopia

15.4760, 0.2291, 0.3061

Trichromacy



Original Color

15.4560, 0.2364, 0.3431

Protanomaly

14.7518, 0.2770, 0.3334

Deuteranomaly

14.7812, 0.2717, 0.3157

Tritanomaly

15.5305, 0.2318, 0.3195

Monochromacy



Original Color

15.4560, 0.2364, 0.3431

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

12.1995, 0.2722, 0.3338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.4560, 0.2364, 0.3431 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(30, 122, 116)` looks like.

```
.text, #text, p{  
  color:rgb(30, 122, 116)  
}
```

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(30, 122, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 122, 116) }
```

Border

The CSS property to change the border of an element to Yxy 15.4560, 0.2364, 0.3431 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(30, 122, 116) }
```

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

```
.border{ border-color:rgb(30, 122, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 122, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 122, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 122, 116);  
box-shadow:4px 4px 4px 4px rgb(30, 122,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 15.4560, 0.2364, 0.3431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 122, 116) }
```

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

```
.background{ background-color: rgb(30, 122,  
116) }
```

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