

Converting Colors

$Y_{xy}(15.3296, 0.2380, 0.3462)$

Have a look what the booklet for
Yxy(15.3296, 0.2380, 0.3462)
contains.

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Color

Yxy(15.4253, 0.2383, 0.3480)

Conversions

Conversions Part 1

Format	Color
Hex	1F7A72
RGB	31, 122, 114
RGB Percent	12%, 48%, 45%
CMY	0.8782, 0.5216, 0.5530
CMYK	0.75, 0.00, 0.07, 0.52
HSL	175°, 59%, 30%
HSV	175°, 75%, 48%
XYZ	10.5628, 15.4253, 18.3375
YIQ	93.8790, -51.6680, -21.7800

Conversions

Conversions Part 2

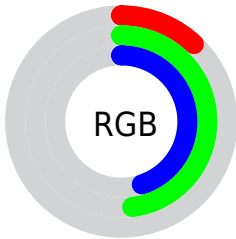
Format	Color
R_{YB}	31, 79, 122
Decimal	2062962
CIE _{Lab}	46.21, -27.76, -3.19
CIE _{LCh}	46, 27.944, 186.548
Yxy	15.4253, 0.2383, 0.3480
Android (android.graphics.Color)	4280253042 (0xFF1F7A72)
YUV	93.8790, 9.9197, -55.1449
Hunter-Lab	39.2751, -20.7249, -0.1899

Details

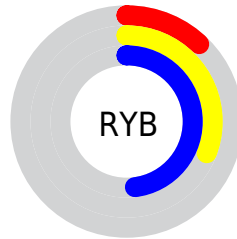
The Yxy color **15.4253, 0.2383, 0.3480** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **5.2678, 0.5344, 0.3168**, and the grayscale version is **11.1530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.6373, 0.2558, 0.3436**, and **5.1584, 0.2322, 0.3558** is the 20% darker color. If you saturate the color by 10%, you get **15.2463, 0.2348, 0.3509**, and if you desaturate by 10%, it is **15.6775, 0.2436, 0.3451**.

Distribution



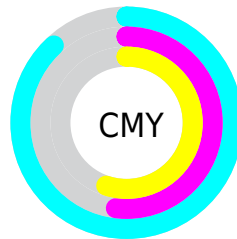
- Red (12%)
- Green (48%)
- Blue (45%)



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



- Cyan (75%)
- Magenta (0%)
- Yellow (7%)
- Black (52%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.4253, 0.2383, 0.3480 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 15.4253, 0.2383, 0.3480 by changing the saturation by 10% instead.


 15.4253, 0.2383,
0.3480


 15.4253, 0.2383,
0.3480


 225.9262, 0.2817,
0.3374


 9.1184, 0.2248,
0.3510


 35.5976, 0.2559,
0.3439


 4.8185, 0.2054,
0.3550

 50.2317, 0.2619,
0.3424


 2.1412, 0.1755,
0.3605

 68.4105, 0.2668,
0.3412

 0.6876, 0.0000,
0.4144

 90.5182, 0.2708,
0.3402

 0.0000, 0.0000,
0.0000

 116.9392, 0.2742,
0.3393

 148.0579, 0.2770,

0.3386

184.2588, 0.2795,
0.3380

■ 15.4253, 0.2383,
0.3480

■ 15.4253, 0.2383,
0.3480

■ 15.2463, 0.2348,
0.3509

■ 15.6775, 0.2436,
0.3451

■ 15.1282, 0.2329,
0.3537

■ 16.0085, 0.2506,
0.3423

■ 15.0722, 0.2320,
0.3553

■ 16.4252, 0.2593,
0.3395

■ 16.9333, 0.2695,
0.3369

■ 17.5381, 0.2809,
0.3344

■ 18.2445, 0.2933,
0.3321

■ 19.0568, 0.3065,
0.3299

■ 19.9794, 0.3203,
0.3280

■ 21.0163, 0.3343,
0.3262

Harmonies

Analogous

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



15.4253, 0.2827, 0.4021



15.4253, 0.2383, 0.3480



15.4253, 0.2145, 0.2933

Triad

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



15.4253, 0.2383, 0.3480



15.4253, 0.2802, 0.2461



15.4253, 0.4205, 0.3916

Complementary

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



15.4253, 0.2383, 0.3480



5.2678, 0.5344, 0.3168

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.



15.4253, 0.4220, 0.3489



15.4253, 0.2383, 0.3480



15.4253, 0.3366, 0.2693

Square

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



15.4253, 0.2383, 0.3480



15.4253, 0.2369, 0.2406



15.4253, 0.3904, 0.3056



15.4253, 0.3885, 0.4237

Rectangle

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



15.4253, 0.2383, 0.3480



15.4253, 0.2117, 0.2659



15.4253, 0.3904, 0.3056



15.4253, 0.4248, 0.3780

Sweetspot

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



15.4259, 0.2383, 0.3480



31.0901, 0.2833, 0.3339



14.4724, 0.3084, 0.5518



7.0529, 0.2808, 0.3344



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.



15.4259, 0.2383, 0.3480



26.6769, 0.2334, 0.3528



8.2933, 0.2090, 0.2350



4.5066, 0.3005, 0.3309



15.8683, 0.2321, 0.3554



75.6293, 0.2325, 0.3569

Inverse Universe

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



5.2678, 0.5344, 0.3168



7.7850, 0.5993, 0.3205



8.3034, 0.4915, 0.3959



4.0203, 0.3264, 0.3271



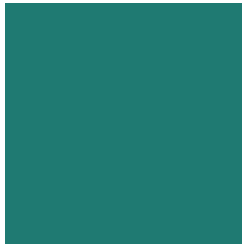
4.3804, 0.6256, 0.3220



20.8384, 0.6326, 0.3258

Previews

White Background



This preview shows how the Yxy color 15.4253, 0.2383, 0.3480 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 15.4253, 0.2383, 0.3480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

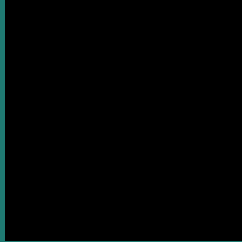
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.4253, 0.2383, 0.3480

Background



This preview shows how black text looks on a background with the Yxy color 15.4253, 0.2383, 0.3480.



This preview shows how white text looks on a background with the Yxy color 15.4253, 0.2383, 0.3480.

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

15.4253, 0.2383, 0.3480

Protanopia

15.1452, 0.3194, 0.3332

Deuteranopia

15.3291, 0.3111, 0.3052



Tritanopia

15.4893, 0.2308, 0.3084

Trichromacy



Original Color

15.4253, 0.2383, 0.3480

Protanomaly

14.7082, 0.2791, 0.3380

Deuteranomaly

14.8040, 0.2738, 0.3179

Tritanomaly

15.5233, 0.2330, 0.3218

Monochromacy



Original Color

15.4253, 0.2383, 0.3480

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

12.1798, 0.2733, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.4253, 0.2383, 0.3480 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(31, 122, 114)` looks like.

```
.text, #text, p{  
    color:rgb(31, 122, 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(31, 122, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 122, 114) }
```

Border

The CSS property to change the border of an element to Yxy 15.4253, 0.2383, 0.3480 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(31, 122, 114) }
```

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

```
.border{ border-color:rgb(31, 122, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 122, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 122, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 122, 114);  
box-shadow:4px 4px 4px 4px rgb(31, 122,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 15.4253, 0.2383, 0.3480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 122, 114) }
```

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

```
.background{ background-color: rgb(31, 122,  
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](#).

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