

Converting Colors

$Y_{xy}(15.7676, 0.2558, 0.4250)$

Have a look what the booklet for
Yxy(15.7676, 0.2558, 0.4250)
contains.

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Color

Yxy(15.7549, 0.2560, 0.4258)

Conversions

Conversions Part 1

Format	Color
Hex	127E58
RGB	18, 126, 88
RGB Percent	7%, 49%, 35%
CMY	0.9292, 0.5059, 0.6549
CMYK	0.86, 0.00, 0.30, 0.51
HSL	159°, 75%, 28%
HSV	159°, 86%, 49%
XYZ	9.4722, 15.7549, 11.7736
YIQ	89.3760, -52.1700, -34.7140

Conversions

Conversions Part 2

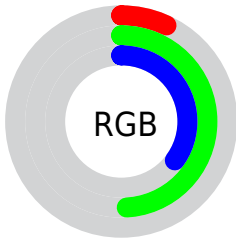
Format	Color
RYB	18, 84, 126
Decimal	1211992
CIELab	46.65, -38.23, 12.74
CIELCh	47, 40.300, 161.576
Yxy	15.7549, 0.2560, 0.4258
Android (android.graphics.Color)	4279402072 (0xFF127E58)
YUV	89.3760, -0.6784, -62.5968
Hunter-Lab	39.6924, -26.8646, 10.1980

Details

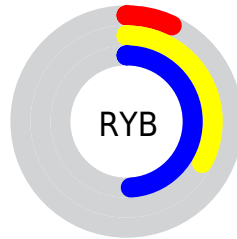
The Yxy color **15.7549, 0.2560, 0.4258** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **5.1556, 0.5037, 0.2723**, and the grayscale version is **10.0909, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.3623, 0.2708, 0.4009**, and **5.3361, 0.2634, 0.4680** is the 20% darker color. If you saturate the color by 10%, you get **15.5903, 0.2565, 0.4388**, and if you desaturate by 10%, it is **15.9881, 0.2573, 0.4127**.

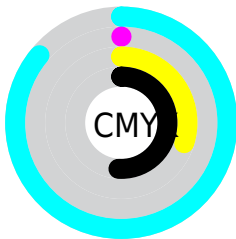
Distribution



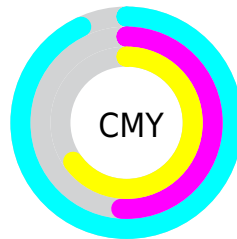
- Red (7%)
- Green (49%)
- Blue (35%)



- Red (7%)
- Yellow (33%)
- Blue (49%)



- Cyan (86%)
- Magenta (0%)
- Yellow (30%)
- Black (51%)



- Cyan (93%)
- Magenta (51%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7549, 0.2560, 0.4258 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 15.7549, 0.2560, 0.4258 by changing the saturation by 10% instead.


 15.7549, 0.2560,
0.4258


 15.7549, 0.2560,
0.4258


227.8911, 0.2907,
0.3660

 9.3509, 0.2441,
0.4468


 36.1722, 0.2706,
0.4003


 4.9707, 0.2262,
0.4790

 50.9542, 0.2755,
0.3919


 2.2301, 0.1962,
0.5343

 69.2977, 0.2793,
0.3854

 0.7363, 0.0000,
1.0000

 91.5871, 0.2824,
0.3800

 0.0000, 0.0000,
0.0000

 118.2067, 0.2850,
0.3756

 149.5410, 0.2872,

0.3719

185.9743, 0.2890,
0.3687

■ 15.7549, 0.2560,
0.4258

■ 15.7549, 0.2560,
0.4258

■ 15.5903, 0.2565,
0.4388

■ 15.9881, 0.2573,
0.4127

■ 15.5258, 0.2568,
0.4444

■ 16.3014, 0.2604,
0.3997

■ 16.7037, 0.2652,
0.3870

■ 17.2021, 0.2716,
0.3748

■ 17.8028, 0.2792,
0.3633

■ 18.5117, 0.2878,
0.3526

■ 19.3340, 0.2972,
0.3427

■ 20.2749, 0.3070,
0.3337

■ 21.3390, 0.3171,
0.3256

Harmonies

Analogous

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



15.7549, 0.3305, 0.4755



15.7549, 0.2560, 0.4258



15.7549, 0.2010, 0.3397

Triad

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



15.7549, 0.2560, 0.4258



15.7549, 0.2159, 0.2079



15.7549, 0.4714, 0.3611

Complementary

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



15.7549, 0.2560, 0.4258



5.1556, 0.5037, 0.2723

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.



15.7549, 0.4346, 0.3036



15.7549, 0.2560, 0.4258



15.7549, 0.2779, 0.2202

Square

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



15.7549, 0.2560, 0.4258



15.7549, 0.1817, 0.2210



15.7549, 0.3593, 0.2541



15.7549, 0.4576, 0.4193

Rectangle

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



15.7549, 0.2560, 0.4258



15.7549, 0.1810, 0.2864



15.7549, 0.3593, 0.2541



15.7549, 0.4648, 0.3415

Sweetspot

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



15.7555, 0.2560, 0.4258



32.4601, 0.2870, 0.3535



15.8542, 0.3285, 0.5604



7.3010, 0.2845, 0.3565



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.



15.7555, 0.2560, 0.4258



27.3009, 0.2576, 0.4473



13.1371, 0.2187, 0.2941



4.8620, 0.3036, 0.3367



15.9269, 0.2568, 0.4446



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.1556, 0.5037, 0.2723



8.1076, 0.5546, 0.2829



5.5362, 0.5800, 0.3474



4.3673, 0.3228, 0.3214



4.7391, 0.5491, 0.2799



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.7549, 0.2560, 0.4258 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 15.7549, 0.2560, 0.4258 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 15.7549, 0.2560, 0.4258

Background



This preview shows how black text looks on a background with the Yxy color 15.7549, 0.2560, 0.4258.



This preview shows how white text looks on a background with the Yxy color 15.7549, 0.2560, 0.4258.

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

15.7549, 0.2560, 0.4258

Protanopia

15.5975, 0.3619, 0.3884

Deuteranopia

15.6104, 0.3608, 0.3546



Tritanopia

15.8443, 0.2327, 0.3086

Trichromacy



Original Color

15.7549, 0.2560, 0.4258

Protanomaly

14.9247, 0.3067, 0.4042

Deuteranomaly

14.5918, 0.3052, 0.3799

Tritanomaly

15.7610, 0.2399, 0.3478

Monochromacy



Original Color

15.7549, 0.2560, 0.4258

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

11.2808, 0.2770, 0.3632

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7549, 0.2560, 0.4258 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(18, 126, 88)` looks like.

```
.text, #text, p{  
    color:rgb(18, 126, 88)  
}
```

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(18, 126, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 126, 88) }
```

Border

The CSS property to change the border of an element to Yxy 15.7549, 0.2560, 0.4258 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(18, 126, 88) }
```

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

```
.border{ border-color:rgb(18, 126, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 126, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 126, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 126, 88);  
box-shadow:4px 4px 4px 4px rgb(18, 126,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7549, 0.2560, 0.4258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 126, 88) }
```

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

```
.background{ background-color: rgb(18, 126,  
88) }
```

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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