

Converting Colors

$Y_{xy}(15.1778, 0.2830, 0.4096)$

Have a look what the booklet for
Yxy(15.1778, 0.2830, 0.4096)
contains.

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Color

Yxy(15.1778, 0.2830, 0.4096)

Conversions

Conversions Part 1

Format	Color
Hex	3F7857
RGB	63, 120, 87
RGB Percent	25%, 47%, 34%
CMY	0.7529, 0.5294, 0.6589
CMYK	0.47, 0.00, 0.28, 0.53
HSL	145°, 31%, 36%
HSV	145°, 47%, 47%
XYZ	10.4866, 15.1778, 11.3908
YIQ	99.1950, -23.3790, -22.3470

Conversions

Conversions Part 2

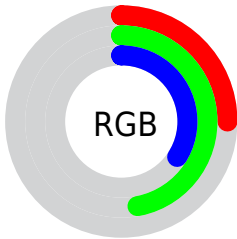
Format	Color
R _{YB}	63, 103, 120
Decimal	4159575
CIE _{Lab}	45.88, -26.90, 12.45
CIE _{LCh}	46, 29.639, 155.171
Y _{xy}	15.1778, 0.2830, 0.4096
Android (android.graphics.Color)	4282349655 (0xFF3F7857)
YUV	99.1950, -6.0121, -31.7430
Hunter-Lab	38.9587, -20.1304, 9.9359

Details

The Yxy color **15.1778, 0.2830, 0.4096** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.3943, 0.3624, 0.2614**, and the grayscale version is **12.5496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.2707, 0.2909, 0.3886**, and **4.7182, 0.2664, 0.4565** is the 20% darker color. If you saturate the color by 10%, you get **14.7172, 0.2788, 0.4305**, and if you desaturate by 10%, it is **15.7367, 0.2882, 0.3898**.

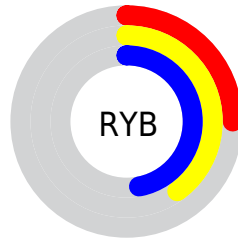
Distribution



Red (25%)

Green (47%)

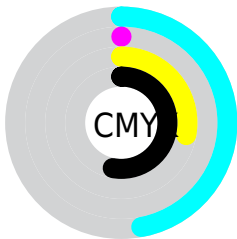
Blue (34%)



Red (25%)

Yellow (40%)

Blue (47%)

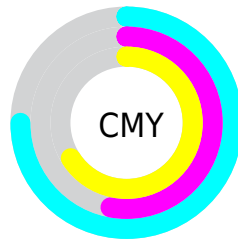


Cyan (47%)

Magenta (0%)

Yellow (28%)

Black (53%)



Cyan (75%)


Magenta (53%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.1778, 0.2830, 0.4096 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 15.1778, 0.2830, 0.4096 by changing the saturation by 10% instead.


 15.1778, 0.2830,
0.4096


 15.1778, 0.2830,
0.4096


224.4399, 0.3016,
0.3599


 8.9443, 0.2763,
0.4270


 35.1648, 0.2910,
0.3884


 4.7048, 0.2659,
0.4539

 49.6870, 0.2936,
0.3815


 2.0751, 0.2474,
0.5004

 67.7410, 0.2956,
0.3760

 0.6506, 0.0000,
1.0000

 89.7110, 0.2973,
0.3715

 0.0000, 0.0000,
0.0000

 115.9815, 0.2986,
0.3679

146.9369, 0.2998,

0.3648

182.9616, 0.3007,
0.3621

■ 15.1778, 0.2830,
0.4096

■ 15.1778, 0.2830,
0.4096

■ 14.7172, 0.2788,
0.4305

■ 15.7367, 0.2882,
0.3898

■ 14.3471, 0.2760,
0.4521

■ 16.3976, 0.2942,
0.3714

■ 14.0615, 0.2748,
0.4738

■ 17.1660, 0.3008,
0.3545

■ 13.8527, 0.2754,
0.4949

■ 18.0467, 0.3076,
0.3393

■ 13.7028, 0.2773,
0.5149


■ 19.0440, 0.3144,
0.3257

 13.6679, 0.2777,
0.5197

 20.1622, 0.3213,
0.3137

 21.4051, 0.3280,
0.3030

 22.7766, 0.3344,
0.2936

 24.2802, 0.3406,
0.2854

Harmonies

Analogous

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



15.1778, 0.3415, 0.4382



15.1778, 0.2830, 0.4096



15.1778, 0.2353, 0.3520

Triad

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



15.1778, 0.2830, 0.4096



15.1778, 0.2307, 0.2356



15.1778, 0.4285, 0.3473

Complementary

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



15.1778, 0.2830, 0.4096



8.3943, 0.3624, 0.2614

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.



15.1778, 0.3933, 0.3020



15.1778, 0.2830, 0.4096



15.1778, 0.2754, 0.2406

Square

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



15.1778, 0.2830, 0.4096



15.1778, 0.2079, 0.2525



15.1778, 0.3351, 0.2643



15.1778, 0.4282, 0.3929

Rectangle

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



15.1778, 0.2830, 0.4096



15.1778, 0.2152, 0.3112



15.1778, 0.3351, 0.2643



15.1778, 0.4204, 0.3318

Sweetspot

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



15.1784, 0.2830, 0.4096



30.6571, 0.3029, 0.3496



16.2931, 0.3467, 0.4532



7.2023, 0.3017, 0.3524



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.



15.1784, 0.2830, 0.4096



25.8188, 0.2785, 0.4325



15.7341, 0.2564, 0.3397



4.4754, 0.3065, 0.3417



14.9077, 0.2779, 0.5205



70.9488, 0.2805, 0.5298

Inverse Universe

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



8.3943, 0.3624, 0.2614



12.3378, 0.3793, 0.2475



7.9637, 0.4235, 0.3194



4.0503, 0.3195, 0.3167



4.8291, 0.4569, 0.2291



22.8624, 0.4659, 0.2340

Previews

White Background



This preview shows how the Yxy color 15.1778, 0.2830, 0.4096 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 15.1778, 0.2830, 0.4096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

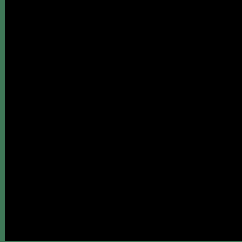
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.1778, 0.2830, 0.4096

Background



This preview shows how black text looks on a background with the Yxy color 15.1778, 0.2830, 0.4096.



This preview shows how white text looks on a background with the Yxy color 15.1778, 0.2830, 0.4096.

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

15.1778, 0.2830, 0.4096

Protanopia

15.0322, 0.3600, 0.3852

Deuteranopia

14.9988, 0.3630, 0.3570



Tritanopia

15.0944, 0.2546, 0.3089

Trichromacy



Original Color

15.1778, 0.2830, 0.4096

Protanomaly

14.7543, 0.3283, 0.3943

Deuteranomaly

14.6979, 0.3283, 0.3753

Tritanomaly

15.1355, 0.2646, 0.3427

Monochromacy



Original Color

15.1778, 0.2830, 0.4096

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

13.3200, 0.2993, 0.3572

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1778, 0.2830, 0.4096 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(63, 120, 87)` looks like.

```
.text, #text, p{  
    color:rgb(63, 120, 87)  
}
```

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(63, 120, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 120, 87) }
```

Border

The CSS property to change the border of an element to Yxy 15.1778, 0.2830, 0.4096 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(63, 120, 87) }
```

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

```
.border{ border-color:rgb(63, 120, 87) }
```

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

Here you see how a box with a 4 pixel rgb(63, 120, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 120, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 120, 87);  
box-shadow:4px 4px 4px 4px rgb(63, 120,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 15.1778, 0.2830, 0.4096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 120, 87) }
```

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

```
.background{ background-color: rgb(63, 120,  
87) }
```

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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