

Converting Colors

$Y_{xy}(15.1223, 0.2905, 0.3996)$

Have a look what the booklet for
Yxy(15.1223, 0.2905, 0.3996)
contains.

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Color

Yxy(15.0559, 0.2899, 0.3984)

Conversions

Conversions Part 1

Format	Color
Hex	487659
RGB	72, 118, 89
RGB Percent	28%, 46%, 35%
CMY	0.7175, 0.5373, 0.6510
CMYK	0.39, 0.00, 0.25, 0.54
HSL	142°, 24%, 37%
HSV	142°, 39%, 46%
XYZ	10.9556, 15.0559, 11.7794
YIQ	100.9400, -18.1070, -18.7710

Conversions

Conversions Part 2

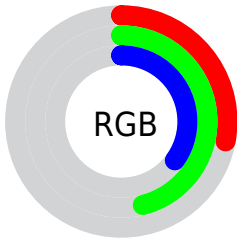
Format	Color
R_{YB}	72, 106, 118
Decimal	4748889
CIE _{Lab}	45.71, -22.66, 11.10
CIE _{LCh}	46, 25.233, 153.904
Yxy	15.0559, 0.2899, 0.3984
Android (android.graphics.Color)	4282938969 (0xFF487659)
YUV	100.9400, -5.8864, -25.3804
Hunter-Lab	38.8019, -17.5046, 9.1622

Details

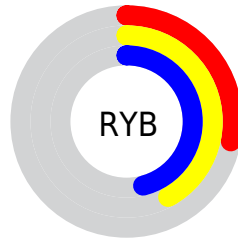
The Yxy color **15.0559, 0.2899, 0.3984** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.4300, 0.3462, 0.2689**, and the grayscale version is **13.0184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7511, 0.2957, 0.3797**, and **4.6128, 0.2765, 0.4371** is the 20% darker color. If you saturate the color by 10%, you get **14.5267, 0.2853, 0.4203**, and if you desaturate by 10%, it is **15.6861, 0.2953, 0.3780**.

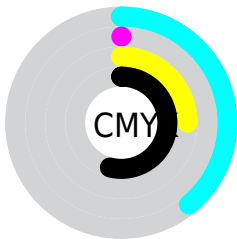
Distribution



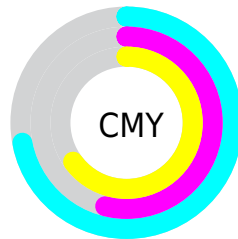
- Red (28%)
- Green (46%)
- Blue (35%)



- Red (28%)
- Yellow (42%)
- Blue (46%)



- Cyan (39%)
- Magenta (0%)
- Yellow (25%)
- Black (54%)





- Cyan (72%)
- Magenta (54%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.0559, 0.2899, 0.3984 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 15.0559, 0.2899, 0.3984 by changing the saturation by 10% instead.


 15.0559, 0.2899,
0.3984


 15.0559, 0.2899,
0.3984


223.7043, 0.3042,
0.3557


 8.8586, 0.2848,
0.4133


 34.9512, 0.2961,
0.3803


 4.6491, 0.2767,
0.4361

 49.4180, 0.2980,
0.3743


 2.0429, 0.2624,
0.4755

 67.4102, 0.2996,
0.3696

 0.6322, 0.0702,
0.9298

 89.3120, 0.3009,
0.3658

 0.0000, 0.0000,
0.0000

 115.5080, 0.3019,
0.3626

146.3824, 0.3028,

0.3600

182.3197, 0.3035,
0.3577

■ 15.0559, 0.2899,
0.3984

■ 15.0559, 0.2899,
0.3984

■ 14.5267, 0.2853,
0.4203

■ 15.6861, 0.2953,
0.3780

■ 14.0912, 0.2817,
0.4432

■ 16.4203, 0.3011,
0.3594

■ 13.7442, 0.2795,
0.4667


■ 17.2638, 0.3072,
0.3426

■ 13.4791, 0.2788,
0.4899


■ 18.2210, 0.3134,
0.3275

■ 13.2882, 0.2797,
0.5120

■ 19.2959, 0.3195,
0.3142


 13.1488, 0.2817,
0.5325

 20.4925, 0.3254,
0.3024

 13.1350, 0.2818,
0.5346

 21.8144, 0.3312,
0.2920

 23.2652, 0.3367,
0.2829

 24.8484, 0.3419,
0.2750

Harmonies

Analogous

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



15.0559, 0.3405, 0.4217



15.0559, 0.2899, 0.3984



15.0559, 0.2477, 0.3512

Triad

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



15.0559, 0.2899, 0.3984



15.0559, 0.2406, 0.2483



15.0559, 0.4108, 0.3443

Complementary

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



15.0559, 0.2899, 0.3984



9.4300, 0.3462, 0.2689

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.



15.0559, 0.3797, 0.3045



15.0559, 0.2899, 0.3984



15.0559, 0.2790, 0.2515

Square

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



15.0559, 0.2899, 0.3984



15.0559, 0.2213, 0.2646



15.0559, 0.3300, 0.2717



15.0559, 0.4124, 0.3838

Rectangle

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



15.0559, 0.2899, 0.3984



15.0559, 0.2293, 0.3167



15.0559, 0.3300, 0.2717



15.0559, 0.4034, 0.3307

Sweetspot

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



15.0565, 0.2899, 0.3984



29.8391, 0.3051, 0.3480



16.1996, 0.3447, 0.4285



6.8280, 0.3046, 0.3496



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



15.0565, 0.2899, 0.3984



25.6108, 0.2856, 0.4185



15.5022, 0.2669, 0.3428



4.1185, 0.3071, 0.3427



14.2084, 0.2820, 0.5353



69.0863, 0.2847, 0.5448

Inverse Universe

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



9.4300, 0.3462, 0.2689



14.1886, 0.3572, 0.2549



9.0422, 0.3905, 0.3161



3.7361, 0.3187, 0.3157



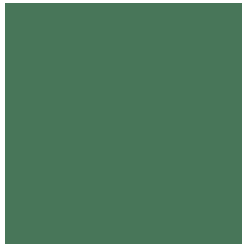
4.7057, 0.4364, 0.2178



22.7619, 0.4443, 0.2221

Previews

White Background



This preview shows how the Yxy color 15.0559, 0.2899, 0.3984 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 15.0559, 0.2899, 0.3984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

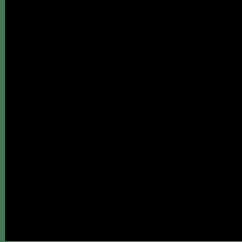
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.0559, 0.2899, 0.3984

Background



This preview shows how black text looks on a background with the Yxy color 15.0559, 0.2899, 0.3984.



This preview shows how white text looks on a background with the Yxy color 15.0559, 0.2899, 0.3984.

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

15.0559, 0.2899, 0.3984

Protanopia

15.0101, 0.3545, 0.3792

Deuteranopia

14.9584, 0.3587, 0.3531



Tritanopia

15.1270, 0.2620, 0.3092

Trichromacy



Original Color

15.0559, 0.2899, 0.3984

Protanomaly

14.9129, 0.3274, 0.3868

Deuteranomaly

14.6959, 0.3302, 0.3682

Tritanomaly

14.9457, 0.2709, 0.3380

Monochromacy



Original Color

15.0559, 0.2899, 0.3984

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.5521, 0.3022, 0.3520

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0559, 0.2899, 0.3984 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(72, 118, 89)` looks like.

```
.text, #text, p{  
    color:rgb(72, 118, 89)  
}
```

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(72, 118, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 118, 89) }
```

Border

The CSS property to change the border of an element to Yxy 15.0559, 0.2899, 0.3984 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(72, 118, 89) }
```

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

```
.border{ border-color:rgb(72, 118, 89) }
```

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

Here you see how a box with a 4 pixel rgb(72, 118, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 118, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 118, 89);  
box-shadow:4px 4px 4px 4px rgb(72, 118,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0559, 0.2899, 0.3984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 118, 89) }
```

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

```
.background{ background-color: rgb(72, 118,  
89) }
```

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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