

Converting Colors

$Y_{xy}(15.6136, 0.2657, 0.3417)$

Have a look what the booklet for
Yxy(15.6136, 0.2657, 0.3417)
contains.

Yxy(15.5268, 0.2658, 0.3402)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(15.5268, 0.2658, 0.3402)$

Conversions

Conversions Part 1

Format	Color
Hex	487671
RGB	72, 118, 113
RGB Percent	28%, 46%, 44%
CMY	0.7177, 0.5372, 0.5568
CMYK	0.39, 0.00, 0.04, 0.54
HSL	173°, 24%, 37%
HSV	173°, 39%, 46%
XYZ	12.1312, 15.5268, 17.9822
YIQ	103.6760, -25.8110, -11.3070

Conversions

Conversions Part 2

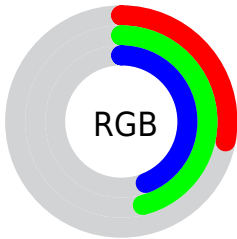
Format	Color
R_{YB}	72, 96, 118
Decimal	4748913
CIE _{Lab}	46.35, -17.00, -2.23
CIE _{LCh}	46, 17.142, 187.489
Yxy	15.5268, 0.2658, 0.3402
Android (android.graphics.Color)	4282938993 (0xFF487671)
YUV	103.6760, 4.5967, -27.7799
Hunter-Lab	39.4041, -14.0030, 0.5255

Details

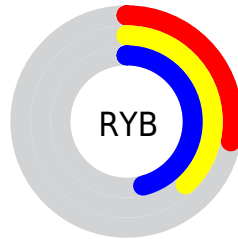
The Yxy color **15.5268, 0.2658, 0.3402** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.0209, 0.3929, 0.3185**, and the grayscale version is **13.7448, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.6770, 0.2769, 0.3367**, and **4.8085, 0.2443, 0.3442** is the 20% darker color. If you saturate the color by 10%, you get **15.0880, 0.2565, 0.3435**, and if you desaturate by 10%, it is **16.0543, 0.2765, 0.3370**.

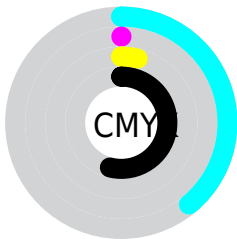
Distribution



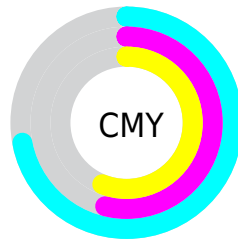
- Red (28%)
- Green (46%)
- Blue (44%)



- Red (28%)
- Yellow (38%)
- Blue (46%)



- Cyan (39%)
- Magenta (0%)
- Yellow (4%)
- Black (54%)




- Cyan (72%)
- Magenta (54%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.5268, 0.2658, 0.3402 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 15.5268, 0.2658, 0.3402 by changing the saturation by 10% instead.


 15.5268, 0.2658,
0.3402


 15.5268, 0.2658,
0.3402


226.5330, 0.2933,
0.3338

 9.1899, 0.2571,
0.3421


 35.7747, 0.2770,
0.3377


 4.8653, 0.2444,
0.3447

 50.4546, 0.2808,
0.3368

 2.1684, 0.2243,
0.3486

 68.6842, 0.2839,
0.3361

 0.7027, 0.1348,
0.3744

 90.8480, 0.2865,
0.3355

 0.0000, 0.0000,
0.0000

 117.3304, 0.2886,
0.3350

148.5158, 0.2904,

0.3345

184.7885, 0.2919,
0.3342

■ 15.5268, 0.2658,
0.3402

■ 15.5268, 0.2658,
0.3402

■ 15.0880, 0.2565,
0.3435

■ 16.0543, 0.2765,
0.3370

■ 14.7311, 0.2486,
0.3470

■ 16.6733, 0.2882,
0.3341

■ 14.4511, 0.2425,
0.3506


■ 17.3886, 0.3009,
0.3313


■ 14.2419, 0.2381,
0.3541


■ 18.2043, 0.3141,
0.3288

■ 14.0963, 0.2354,
0.3577

■ 19.1242, 0.3276,
0.3265

 13.9918, 0.2340,
0.3613

 20.1518, 0.3413,
0.3244

 13.9815, 0.2338,
0.3617

 21.2905, 0.3550,
0.3226

 22.5437, 0.3685,
0.3210

 23.9144, 0.3816,
0.3196

Harmonies

Analogous

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



15.5268, 0.2941, 0.3713



15.5268, 0.2658, 0.3402



15.5268, 0.2502, 0.3076

Triad

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



15.5268, 0.2658, 0.3402



15.5268, 0.2942, 0.2761



15.5268, 0.3789, 0.3708

Complementary

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



15.5268, 0.2658, 0.3402



9.0209, 0.3929, 0.3185

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.



15.5268, 0.3796, 0.3444



15.5268, 0.2658, 0.3402



15.5268, 0.3291, 0.2916

Square

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



15.5268, 0.2658, 0.3402



15.5268, 0.2658, 0.2728



15.5268, 0.3610, 0.3160



15.5268, 0.3597, 0.3881

Rectangle

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



15.5268, 0.2658, 0.3402



15.5268, 0.2484, 0.2902



15.5268, 0.3610, 0.3160



15.5268, 0.3814, 0.3626

Sweetspot

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



15.5274, 0.2658, 0.3402



30.1381, 0.2966, 0.3322



15.0181, 0.3138, 0.4389



6.9016, 0.2954, 0.3324



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.



15.5274, 0.2658, 0.3402



26.5860, 0.2572, 0.3433



11.8699, 0.2552, 0.2875



4.1488, 0.3008, 0.3313



15.1240, 0.2338, 0.3618



73.6242, 0.2344, 0.3637

Inverse Universe

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



9.0209, 0.3929, 0.3185



13.3901, 0.4224, 0.3162



11.5693, 0.3888, 0.3667



3.7067, 0.3260, 0.3267



4.1966, 0.6215, 0.3198



20.3853, 0.6297, 0.3243

Previews

White Background



This preview shows how the Yxy color 15.5268, 0.2658, 0.3402 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 15.5268, 0.2658, 0.3402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

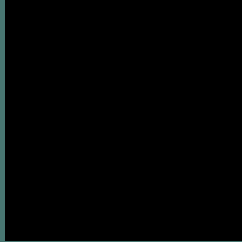
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.5268, 0.2658, 0.3402

Background



This preview shows how black text looks on a background with the Yxy color 15.5268, 0.2658, 0.3402.



This preview shows how white text looks on a background with the Yxy color 15.5268, 0.2658, 0.3402.

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

15.5268, 0.2658, 0.3402

Protanopia

15.4647, 0.3181, 0.3311

Deuteranopia

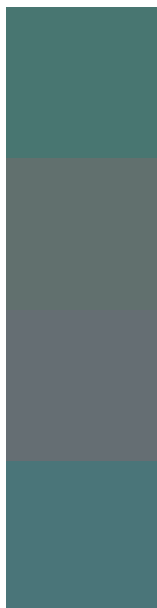
15.3509, 0.3150, 0.3092



Tritanopia

15.4673, 0.2568, 0.3092

Trichromacy



Original Color

15.5268, 0.2658, 0.3402

Protanomaly

15.2555, 0.2957, 0.3333

Deuteranomaly

15.1564, 0.2949, 0.3184

Tritanomaly

15.5589, 0.2599, 0.3200

Monochromacy



Original Color

15.5268, 0.2658, 0.3402

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.2741, 0.2928, 0.3334

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5268, 0.2658, 0.3402 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, 113)` looks like.

```
.text, #text, p{  
    color:rgb(72, 118, 113)  
}
```

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, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 118, 113) }
```

Border

The CSS property to change the border of an element to Yxy 15.5268, 0.2658, 0.3402 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, 113) }
```

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

```
.border{ border-color:rgb(72, 118, 113) }
```

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, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 118, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 118, 113);  
box-shadow:4px 4px 4px 4px rgb(72, 118,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5268, 0.2658, 0.3402 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, 113) }
```

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

```
.background{ background-color: rgb(72, 118,  
113) }
```

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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